

103
**MILITARY CONSTRUCTION APPROPRIATIONS
FOR 1994**

Y 4. AP 6/1: M 59/6/994/

PT. 1

Military Construction Appropriation...

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MAY 24 1993

BEFORE A

SUBCOMMITTEE OF THE
COMMITTEE ON APPROPRIATIONS
HOUSE OF REPRESENTATIVES
ONE HUNDRED THIRD CONGRESS
FIRST SESSION

SUBCOMMITTEE ON MILITARY CONSTRUCTION APPROPRIATIONS

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WILLIAM A. MARINELLI, HENRY E. MOORE, and MARY C. ARNOLD, *Subcommittee Staff*

PART 1

Justification of the Budget Estimates

ARMY

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MILITARY CONSTRUCTION APPROPRIATIONS FOR 1994

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FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		-----
ALABAMA		
ARMY		
ANNISTON ARMY DEPOT		
AMMUNITION DEMILITARIZATION FAC PH IV	110,900	
ANNISTON ARMY DEPOT		110,900
FORT RUCKER		
OPERATIONS FACILITY	1,150	
PETROLEUM LAB AND FUEL STORAGE	5,800	
WHOLE BARRACKS RENEWAL	20,000	
FORT RUCKER		26,950

**ARMY		137,850
AIR FORCE		
GUNTER AFB		
CHILD DEVELOPMENT CENTER	2,700	
EMERGENCY POWER GENERATOR PLANT	1,200	
HAZARDOUS WASTE ACCUMULATION FACILITY	310	
SPILL CONTAINMENT CONTROLS	470	
GUNTER AFB		4,680
MAXWELL AFB		
AIR FORCE QUALITY CENTER	4,650	
*EXTEND RUNWAY/UPGRADE	9,200	
SPILL CONTAINMENT CONTROLS	970	
TAXIWAY/RAMP	3,800	
UNDERGROUND FUEL STORAGE TANKS	1,700	
UPGRADE UTILITY SYSTEMS, PHASE 1	5,050	
MAXWELL AFB		25,370
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(9,200)

**AIR FORCE		30,050
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(9,200)
DOD DEPENDENT SCHOOLS		
FORT MCCLELLAN		
FT MCCLELLAN ELEM SCHOOL ADDN	2,798	
FORT MCCLELLAN		2,798
ARMY NATIONAL GUARD		
EGLIN AIR FORCE BASE (FL)		
RANGE, MULTIPURPOSE COMPLEX (MPRC)	3,825	
EGLIN AIR FORCE BASE (FL)		3,825
MOBILE		
ORGANIZATIONAL MAINT SHOP	502	
MOBILE		502

**ARMY NATIONAL GUARD		4,327
AIR NATIONAL GUARD		
ABSTON ANG STATION		
COMMUNICATIONS & ELECTRONICS TRAINING FAC	693	
ABSTON ANG STATION		693
BIRMINGHAM MAP		
AIRCRAFT MAINTENANCE HANGAR	5,500	
FUEL CELL DOCK	4,400	
BIRMINGHAM MAP		9,900
DANNELLY FIELD		
VEHICLE MAINTENANCE COMPLEX	1,750	
DANNELLY FIELD		1,750

**AIR NATIONAL GUARD		12,343

* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
ALABAMA			
ARMY RESERVE			
BIRMINGHAM			
BATTLE PROJECTION CENTER		4,719	
BIRMINGHAM			4,719
FAMILY HOUSING			
AIR FORCE			
MAXWELL AFB			
FAMILY HOUSING (55 UNITS)		(4,080)	
MAXWELL AFB			
FAMILY HOUSING			(4,080)
**ALABAMA			
			192,087
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR			(9,200)
FAMILY HOUSING			(4,080)
ALASKA			
AIR FORCE			
CAPE ROMANZOV AFS			
REPLACE TRAMWAY SYSTEM		3,350	
CAPE ROMANZOV AFS			3,350
EIELSON AFB			
CHILD DEVELOPMENT CENTER		5,400	
FIRE TRAINING FACILITY		2,400	
EIELSON AFB			7,800
ELMENDORF AFB			
ADD TO SANITARY SEWER SYSTEM		5,100	
CHILD DEVELOPMENT CENTER		5,070	
CORROSION CONTROL FACILITY		5,975	
DINING FACILITY		6,800	
HAZARDOUS WASTE STORAGE FACILITY		3,900	
MUNITIONS EQUIPMENT FACILITY		1,860	
MUNITIONS MAINTENANCE FACILITY		2,100	
ELMENDORF AFB			30,805
**AIR FORCE			
			41,955
DEFENSE LOGISTICS AGENCY			
DEF REUTILIZATION & MKTG OPC FAIRBANKS			
COVERED STORAGE		6,500	
DEF REUTILIZATION & MKTG OPC FAIRBANKS			6,500
DEFENSE MEDICAL SUPPORT ACTIVITY			
ELMENDORF AIR FORCE BASE			
HOSPITAL REPLACEMENT PHASE II		135,000	
ELMENDORF AIR FORCE BASE			135,000
AIR NATIONAL GUARD			
KULIS AMGB			
REPLACE UNDERGROUND STORAGE TANKS		1,100	
KULIS AMGB			1,100
ARMY RESERVE			
FORT RICHARDSON			
ADD/ALT USARC/OMS/DS-GS/AMSA/STORAGE		10,324	
FORT RICHARDSON			10,324
**ALASKA			
			194,879
ARIZONA			
ARMY			
FORT HUACHUCA			
BATTALION HEADQUARTERS		4,800	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION	PROJECT NAME-----	PRCJ COST	TOTAL
ARIZONA			
ARMY			
	FORT HUACHUCA		
	GENERAL PURPOSE ADMINISTRATIVE FACILITY	4,050	
	FORT HUACHUCA		8,850
AIR FORCE			
	DAVIS-MONTHAN AFB		
	UNDERGROUND FUEL STORAGE TANKS	650	
	DAVIS-MONTHAN AFB		650
LUKE AFB			
	DINING FACILITY	4,700	
	FIRE TRAINING FACILITY	800	
	UNDERGROUND FUEL STORAGE TANKS	1,250	
	LUKE AFB		6,750
NAVAJO ARMY DEPOT			
	ALTER MINUTEMAN II STORAGE FACILITIES	7,250	
	NAVAJO ARMY DEPOT		7,250
**AIR FORCE			14,650
AIR NATIONAL GUARD			
	TUCSON IAP		
	ADD TO AND ALTER COMMUNICATIONS FACILITY	700	
	REPLACE UNDERGROUND STORAGE TANKS	440	
	TUCSON IAP		1,140
**ARIZONA			24,640
ARKANSAS			
AIR FORCE			
	LITTLE ROCK AFB		
	ADAL ENGINE INSP & REPAIR SHOP - DBOF T	1,200	
	ADD & ALTER CHILD DEVELOPMENT CTR - DBOF	2,250	
	ALTER JRTC OPERATIONS CENTER	1,050	
	LITTLE ROCK AFB		4,500
ARMY NATIONAL GUARD			
	CAMP ROBINSON		
	ARMORY	3,205	
	RANGE, MODIFIED RECORD FIRE	907	
	TRNG SITE, SEWER IMPROV	4,223	
	TRNG SITE, UTILITIES RENOV	1,275	
	CAMP ROBINSON		9,610
AIR NATIONAL GUARD			
	LITTLE ROCK AFB		
	AIRCREW TRAINING FACILITY	3,750	
	LITTLE ROCK AFB		3,750
FT SMITH MAP			
	AIRCRAFT CORROSION CONTROL FACILITY	1,100	
	FT SMITH MAP		1,100
**AIR NATIONAL GUARD			4,850
FAMILY HOUSING			
AIR FORCE			
	LITTLE ROCK AFB		
	HOUSING OFFICE AND MAINTENANCE FACILITY	(980)	
	LITTLE ROCK AFB		(980)
	FAMILY HOUSING		(980)
**ARKANSAS			18,960
	FAMILY HOUSING		(980)

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION -----PROJECT NAME-----	PRCJ COST	TOTAL
CALIFORNIA		
ARMY		
FT IRWIN		
WHOLE BARRACKS RENEWAL	5,900	
FT IRWIN		5,900
NAVY		
ALAMEDA NAVAL AIR STATION		
CONTROL TOWER COMPLEX	4,700	
ALAMEDA NAVAL AIR STATION		4,700
BARSTOW MARINE CORPS LOGISTICS BASE		
INDUSTRIAL WASTE TREATMENT PLANT	8,690	
BARSTOW MARINE CORPS LOGISTICS BASE		8,690
CAMP PENDLETON MARINE CORPS AIR STATION		
RADAR AIR TRAFFIC CONTROL FACILITY ADDN	3,850	
CAMP PENDLETON MARINE CORPS AIR STATION		3,850
CAMP PENDLETON MARINE CORPS BASE		
ARMORY	480	
AUTOMATED FIELD FIRING RANGE	1,340	
SEWERAGE FACILITY	7,930	
WATER DISTRIBUTION SYSTEM IMPROVEMENTS	1,380	
CAMP PENDLETON MARINE CORPS BASE		11,130
EL TORO MARINE CORPS AIR STATION		
MAINTENANCE HANGAR ADDITION	1,950	
EL TORO MARINE CORPS AIR STATION		1,950
FALLBROOK NAVAL WEAPONS STATION ANNEX		
HARM MISSILE MAGAZINES - DBOF	4,630	
FALLBROOK NAVAL WEAPONS STATION ANNEX		4,630
LEMOORE NAVAL AIR STATION		
FIRE FIGHTING TRAINING FACILITY	1,930	
LEMOORE NAVAL AIR STATION		1,930
SAN DIEGO FLEET & INDUSTRIAL SUPPLY CENTER		
FIRE PROTECTION SYSTEMS - DBOF	2,270	
SAN DIEGO FLEET & INDUSTRIAL SUPPLY CENTER		2,270
SAN DIEGO MARINE CORPS RECRUIT DEPOT		
WAREHOUSE	1,130	
SAN DIEGO MARINE CORPS RECRUIT DEPOT		1,130
SAN DIEGO NAVAL HOSPITAL		
CHILD DEVELOPMENT CENTER	2,700	
SAN DIEGO NAVAL HOSPITAL		2,700
SAN DIEGO NAVAL TRAINING CENTER		
FIRE PROTECTION SYSTEM	700	
SAN DIEGO NAVAL TRAINING CENTER		700
TWENTYNINE PALMS MARCORP AIR-GRND COMB CTR		
ACADEMIC INSTRUCTION BUILDING ADDITION	600	
ANTI-ARMOR TRACKING RANGE MODERNIZATION	3,940	
ARMORY	3,360	
TWENTYNINE PALMS MARCORP AIR-GRND COMB CTR		7,900
**NAVY		51,580
AIR FORCE		
EDWARDS AFB		
CHILD DEVELOPMENT CENTER	5,900	
UNDERGROUND FUEL STORAGE TANKS	5,400	
EDWARDS AFB		11,300

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA			
AIR FORCE			
MCCLELLAN AFB			
	FIRE PROTECTION ACFT FACILITIES - DBOF	1,900	
	MCCLELLAN AFB		1,900
TRAVIS AFB			
	AIRCRAFT GENERAL PURPOSE MAINTENANCE SHOP	11,200	
	UNDERGROUND FUEL STORAGE TANKS - DBOF T	2,840	
	TRAVIS AFB		14,040
VANDENBERG AFB			
	HARDWARE STORAGE FACILITY	3,500	
	SLFI-TPQ-18 RADAR FACILITY	2,408	
	SLFI-UPGRADE FIRE PROTECTION SYSTEM	1,600	
	UNDERGROUND FUEL STORAGE TANKS	1,700	
	UPGRADE ELECTRICAL SYSTEM	11,520	
	VANDENBERG AFB		20,728
	**AIR FORCE		47,968
DEFENSE LOGISTICS AGENCY			
	DEFENSE REUTIL AND MARKTNG OFC MARCH AFB		
	DRMO RELOCATION	630	
	DEFENSE REUTIL AND MARKTNG OFC MARCH AFB		630
DEFENSE MEDICAL SUPPORT ACTIVITY			
	EDWARDS AIR FORCE BASE		
	LIFE SAFETY UPGRADE	1,700	
	EDWARDS AIR FORCE BASE		1,700
AIR NATIONAL GUARD			
	FRESNO ANGB		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	490	
	FRESNO ANGB		490
	ONTARIO INTERNATIONAL AIRPORT (ANG)		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	310	
	ONTARIO INTERNATIONAL AIRPORT (ANG)		310
	**AIR NATIONAL GUARD		800
NAVY RESERVE			
	NAVAL STATION SAN DIEGO		
	CBU FACILITY	1,000	
	NAVAL STATION SAN DIEGO		1,000
AIR FORCE RESERVE			
	TRAVIS AFB		
	AERIAL PORT TRAINING FACILITY	3,050	
	ALTER RESERVE OPERATIONS AND TRAINING FAC	4,000	
	TRAVIS AFB		7,050
FAMILY HOUSING			
ARMY			
	FORT IRWIN		
	NEW CONSTRUCTION (220)	{25,000}	
	FORT IRWIN		
	FAMILY HOUSING		{25,000}
NAVY			
	PUBLIC WORKS CENTER SAN DIEGO		
	NEW CONSTRUCTION (318 HOMES)	{36,571}	
	PUBLIC WORKS CENTER SAN DIEGO		
	FAMILY HOUSING		{36,571}

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----	-----	-----
CALIFORNIA		
AIR FORCE		
VANDENBERG AFB		
FAMILY HOUSING (166 UNITS)	(21,907)	
VANDENBERG AFB		
FAMILY HOUSING		(21,907)
**CALIFORNIA		116,628
FAMILY HOUSING		(83,478)
COLORADO		
ARMY		
FORT CARSON		
RANGE CONTROL FACILITY	4,050	
FORT CARSON		4,050
AIR FORCE		
BUCKLEY ANG BASE		
COMMUNICATION DATA PROCESSING FACILITY	39,000	
BUCKLEY ANG BASE		39,000
CHEYENNE MT COMPLEX AFB		
UPGRADE ELECTRICAL SERVICE	4,450	
CHEYENNE MT COMPLEX AFB		4,450
PETERSON AFB		
ADD TO AND ALTER INTEGRATION SUPPORT FAC	16,400	
PRECISION MEASUREMENT EQUIPMENT LABORATORY	2,200	
TEST AND EVALUATION SUPPORT FACILITY	2,430	
PETERSON AFB		21,030
US AIR FORCE ACADEMY		
ADAL WASTEWATER TREATMENT PLANT	7,100	
ENHANCED FLIGHT SCREENER HANGARS	3,800	
UNDERGROUND FUEL STORAGE TANKS	780	
US AIR FORCE ACADEMY		11,680
**AIR FORCE		76,160
AIR NATIONAL GUARD		
BUCKLEY ANGB		
F-16 WEAPONS RELEASE SHOP	1,300	
BUCKLEY ANGB		1,300
AIR FORCE RESERVE		
PETERSON AFB		
ORGANIZATIONAL MAINTENANCE SUPPORT FAC	1,200	
PETERSON AFB		1,200
**COLORADO		82,710
CONNECTICUT		
NAVY		
NEW LONDON NAVAL SUBMARINE BASE		
BACHELOR ENLISTED QUARTERS MODERNIZATION	14,800	
ELECTRICAL DISTRIBUTION IMPROVEMENTS	8,190	
HAZARDOUS WASTE TRANSFER FACILITY	1,450	
INDUSTRIAL WASTE TREATMENT FACILITY	5,700	
STEAM TURBINE GENERATOR	6,600	
NEW LONDON NAVAL SUBMARINE BASE		36,740
AIR NATIONAL GUARD		
BRADLEY FIELD		
ADD TO AND ALTER BASE CIVIL ENGINEER FAC	510	
BRADLEY FIELD		510
**CONNECTICUT		37,250

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
DELAWARE			
AIR FORCE			
DOVER AFB			
	ADD TO AND ALTER DINNING FACILITY - DBOF	2,500	
	DORMITORY - DBOF	3,200	
	INSTALL EMISSION CONTROL DEVICES	860	
	DOVER AFB		6,560
AIR NATIONAL GUARD			
GREATER WILMINGTON AIRPORT			
	COMMUNICATIONS FACILITY	900	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	890	
	GREATER WILMINGTON AIRPORT		1,790
**DELAWARE			8,350
DISTRICT OF COLUMBIA			
NAVY			
WASHINGTON COMMANDANT NAVAL DISTRICT			
	CHILD DEVELOPMENT CENTER	1,480	
	FIRE PROTECTION SYSTEM	1,630	
	WASHINGTON COMMANDANT NAVAL DISTRICT		3,110
WASHINGTON NAVAL RESEARCH LABORATORY			
	NAVAL CENTER FOR SPACE TECHNOLOGY	1,980	
	SPECIAL PROJECTS BUILDING	400	
	WASHINGTON NAVAL RESEARCH LABORATORY		2,380
**NAVY			5,490
AIR FORCE			
BOLLING AIR FORCE BASE			
	ADD TO CHILD DEVELOPMENT CENTER	2,000	
	BOLLING AIR FORCE BASE		2,000
FAMILY HOUSING			
NAVY			
PUBLIC WORKS CENTER WASHINGTON DC			
	NEW CONSTRUCTION (188 HOMES)	(21,556)	
	PUBLIC WORKS CENTER WASHINGTON DC		(21,556)
	FAMILY HOUSING		
**DISTRICT OF COLUMBIA			7,490
	FAMILY HOUSING		(21,556)
FLORIDA			
NAVY			
CECIL FIELD NAVAL AIR STATION			
	SANITARY WASTEWATER SYSTEM UPGRADE	1,500	
	CECIL FIELD NAVAL AIR STATION		1,500
JACKSONVILLE NAVAL AIR STATION			
	BACHELOR ENLISTED QUARTERS	13,800	
	HELICOPTER WASH AND RINSE FACILITY	620	
	JACKSONVILLE NAVAL AIR STATION		14,420
MAYPORT NAVAL STATION			
	AIR EMISSIONS CONTROL	3,260	
	MAYPORT NAVAL STATION		3,260
PENSACOLA NAVAL AIR STATION			
	RADAR AIR TRAFFIC CONTROL CENTER	1,880	
	WATER SURVIVAL TRAINING FACILITY	4,540	
	PENSACOLA NAVAL AIR STATION		6,420
**NAVY			25,600

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST	TOTAL
FLORIDA		
AIR FORCE		
CAPE CANAVERAL AFS		
SEWAGE TREATMENT PLANT	11,900	
SLFI-BACKUP POWER	800	
SLFI-BACKUP POWER	2,500	
SLFI-UPGRADE WATER SUPPLY MAINS	1,200	
UNDERGROUND FUEL STORAGE TANKS	400	
UPGRADE FIRE SYSTEM	2,400	
CAPE CANAVERAL AFS		19,200
EGLIN AFB		
AIRCRAFT ENGINE TEST FACILITY	1,600	
RENOVATE CLIMATIC TEST CHAMBER PHASE II	57,000	
REPLACE POL PIPELINE	3,300	
UPGRADE HYDRANT FUELING SYSTEM	4,550	
VEHICLE MAINTENANCE/WAREHOUSE FACILITIES	2,600	
EGLIN AFB		69,050
EGLIN AFB AUXILIARY FIELD 9		
ADD TO AND ALTER DORMITORIES	4,479	
UPGRADE SANITARY SEWAGE SYSTEMS	1,750	
UPGRADE STORM SEWAGE SYSTEM	1,600	
EGLIN AFB AUXILIARY FIELD 9		7,829
PATRICK AFB		
ALTER MAINTENANCE HANGAR	2,000	
UNDERGROUND FUEL STORAGE TANKS	1,850	
PATRICK AFB		3,850
TYNDALL AFB		
BASE SUPPLY LOGISTICS CENTER	2,600	
TYNDALL AFB		2,600
**AIR FORCE		102,529
SPECIAL OPERATIONS COMMAND		
EGLIN AUX FIELD 9		
ADD TO SUPPLY/WRSK	1,502	
ALTER AVIONICS SHOP-N	4,500	
MH60G HELO HANGER (H)	5,700	
MUNITIONS MAINT FAC-H	2,550	
SON OPS MC130 (H)	2,750	
SON OPS MH60G(150W)-H	2,250	
WEAPONS MX FAC ADD(H)	330	
EGLIN AUX FIELD 9		19,582
AIR NATIONAL GUARD		
JACKSONVILLE IAP		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,150	
JACKSONVILLE IAP		1,150
AIR FORCE RESERVE		
MACDILL AFB		
AEROMEDICAL EVACUATION FACILITY	750	
MACDILL AFB		750
FAMILY HOUSING		
NAVY		
PUBLIC WORKS CENTER PENSACOLA		
NEW CONSTRUCTION (SELF HELP/WAREHOUSE)	(300)	
PUBLIC WORKS CENTER PENSACOLA		(300)
FAMILY HOUSING		
AIR FORCE		
PATRICK AFB		
FAMILY HOUSING (155 UNITS)	(15,388)	
PATRICK AFB		(15,388)
FAMILY HOUSING		

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
FLORIDA			
AIR FORCE			
TYNDALL AFB			
INFRASTRUCTURE		(5,732)	
TYNDALL AFB			
FAMILY HOUSING			(5,732)
**AIR FORCE			
FAMILY HOUSING			(21,120)
**FLORIDA			
FAMILY HOUSING			149,611
			(21,420)
GEORGIA			
ARMY			
FORT BENNING			
BARRACKS MODERNIZATION		18,500	
MULTIPURPOSE MACHINE GUN RANGE		1,650	
WHOLE BARRACKS RENEWAL		17,500	
FORT BENNING			37,650
FT STEWART/HUNTER AAF			
CARGO HANDLING FACILITY		4,500	
EXPAND AMMUNITION STORAGE AREA		3,600	
HARDSTAND		8,700	
RAILROAD TRACK IMPROVEMENT		2,000	
FT STEWART/HUNTER AAF			18,800
**ARMY			
			56,450
NAVY			
ALBANY MARINE CORPS LOGISTICS BASE			
CHILD DEVELOPMENT CENTER		940	
ALBANY MARINE CORPS LOGISTICS BASE			940
KINGS BAY NAVAL SUBMARINE BASE			
DIKES		3,730	
UTILITIES AND SITE IMPROVEMENTS		7,190	
KINGS BAY NAVAL SUBMARINE BASE			10,920
KINGS BAY TRIDENT TRAINING FACILITY			
FIRE FIGHTING TRAINING FACILITY		3,870	
KINGS BAY TRIDENT TRAINING FACILITY			3,870
**NAVY			
			15,730
AIR FORCE			
AIR COMBAT COMMAND			
J-STARS ADD TO AND ALTER MAINT COMPLEX		9,300	
J-STARS ADD TO AND ALTER OPERATIONS CMPLX		4,100	
J-STARS ADD TO AND ALTER UTILITIES		3,500	
J-STARS SQUADRON OPERATIONS/AMU		7,500	
ADAL LOGISTICAL SYSTEMS OPERATIONS CENTER		3,000	
ADD TO ALTER DORMITORIES - DBOP		4,300	
AIRCRAFT SUPPORT EQUIPMENT PAINT FACILITY		970	
UPGD INDSTRL WASTEWATER TRTMT & DSPSL PLT		10,700	
AIR COMBAT COMMAND			43,370
DOD DEPENDENT SCHOOLS			
ROBINS AFB			
LINWOOD ELEM SCHOOL ADDN		1,580	
ROBINS ELEM SCHOOL ADDN		1,580	
ROBINS AFB			3,160
AIR NATIONAL GUARD			
DOBBINS AFB			
PETROLEUM OPERATIONS COMPLEX		600	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		-----
GEORGIA		
AIR NATIONAL GUARD		
DOBBINS AFB		
REPLACE UNDERGROUND FUEL STORAGE TANKS DOBBINS AFB	1,150	1,750
LEWIS B. WILSON AIRPORT (ANG)		
REPLACE UNDERGROUND FUEL STORAGE TANKS LEWIS B. WILSON AIRPORT (ANG)	340	340
MCCOLLUM ANG STATION		
REPLACE UNDERGROUND FUEL STORAGE TANKS MCCOLLUM ANG STATION	315	315
SAVANNAH ANG COMMUNICATIONS STATION		
REPLACE UNDERGROUND FUEL STORAGE TANKS SAVANNAH ANG COMMUNICATIONS STATION	330	330
SAVANNAH COMBAT READINESS TRAINING SITE		
FIRE DETECTION AND SUPPRESSION SYSTEMS REPLACE UNDERGROUND FUEL STORAGE TANKS SAVANNAH COMBAT READINESS TRAINING SITE	1,650 315	1,965
SAVANNAH MAP		
REFUELING VEHICLE PARKING AND OPS COMPLEX SAVANNAH MAP	990	990
**AIR NATIONAL GUARD		5,690
FAMILY HOUSING		
NAVY		
NAVAL SUBMARINE SUPPORT BASE KINGS BAY NEW CONSTRUCTION (CMM CNTR/SELF HLP/HMSE) NAVAL SUBMARINE SUPPORT BASE KINGS BAY FAMILY HOUSING	{790}	{790}
AIR FORCE		
ROBINS AFB		
FAMILY HOUSING (118 UNITS) ROBINS AFB FAMILY HOUSING	{7,424}	{7,424}
**GEORGIA		124,400
FAMILY HOUSING		{8,214}
HAWAII		
ARMY		
SCHOFIELD BARRACKS		
MULTI-PURPOSE FAMILY SERVICE CENTER OPERATIONS FACILITY SCHOFIELD BARRACKS	16,000 2,600	18,600
NAVY		
BARBERS POINT NAVAL AIR STATION		
CHILD DEVELOPMENT CENTER FIRE FIGHTING TRAINING FACILITY BARBERS POINT NAVAL AIR STATION	2,700 1,350	4,050
HONOLULU COM&TELCOMM AREA MASTER STA EPAC		
BACH ENLISTED QUARTERS MODERNIZATION BACHELOR ENLISTED QUARTERS MODERNIZATION HONOLULU COM&TELCOMM AREA MASTER STA EPAC	4,390 4,730	9,120
PEARL HARBOR COM OCEANOGRAPHIC SYS PACIFIC		
BERTHING PIER PEARL HARBOR COM OCEANOGRAPHIC SYS PACIFIC	16,780	16,780

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
HAWAII			
NAVY			
	PEARL HARBOR NAV INACTIVE SHIP MAINT FAC		
	INACTIVE SHIPS PIER	2,620	
	PEARL HARBOR NAV INACTIVE SHIP MAINT FAC		2,620
	PEARL HARBOR NAVAL SUBMARINE BASE		
	BACHELOR ENLISTED QUARTERS COMPLEX	25,500	
	ENLISTED MESS HALL MODERNIZATION	2,640	
	SUBMARINE BERTING WHARF	26,000	
	PEARL HARBOR NAVAL SUBMARINE BASE		54,140
	PEARL HARBOR NAVY PUBLIC WORKS CENTER		
	INDUSTRIAL WASTE TREATMENT PLANT - DBOF	18,560	
	WASTEWATER COLLECTION SYS IMPRVMT - DBOF	8,980	
	PEARL HARBOR NAVY PUBLIC WORKS CENTER		27,540
	**NAVY		114,250
AIR FORCE			
	HICKAM AFB		
	DORMITORY	5,950	
	MILSTAR COMMUNICATIONS GROUND TERMINAL	2,200	
	UNDERGROUND FUEL STORAGE TANKS	2,100	
	HICKAM AFB		10,250
	KAENA POINT		
	POWER PLANT	7,350	
	KAENA POINT		7,350
	**AIR FORCE		17,600
DEFENSE LOGISTICS AGENCY			
	DEFENSE FUEL SUPPORT POINT PEARL HARBOR		
	POL LABORATORY FACILITY	2,250	
	DEFENSE FUEL SUPPORT POINT PEARL HARBOR		2,250
ARMY NATIONAL GUARD			
	KAUAI		
	RANGE, KNOWN DISTANCE UPGRADE	334	
	KAUAI		334
AIR NATIONAL GUARD			
	HICKAM AFB		
	FUEL SYSTEM MAINT AND CORROSION CONTROL FA	5,300	
	HICKAM AFB		5,300
NAVY RESERVE			
	NAVAL STATION PEARL HARBOR		
	CBU ADDITION	500	
	NAVAL STATION PEARL HARBOR		500
FAMILY HOUSING			
ARMY			
	SCHOFIELD BARRACKS		
	NEW CONST(125)(18.0M) + REPL(135)(21.0M)	{39,000}	
	NEW CONSTRUCTION (88)	{13,000}	
	SCHOFIELD BARRACKS		
	FAMILY HOUSING		(52,000)
	**HAWAII		158,834
	FAMILY HOUSING		(52,000)
IDAHO			
ARMY NATIONAL GUARD			
	GOWEN FIELD		
	COMBAT VEHICLE TRANSITION CMLX	5,044	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME-----	PRCJ COST	TOTAL
IDAHO			
ARMY NATIONAL GUARD			
	GOWEN FIELD		
	USPFO ADMIN OFC/WHSE ADD	1,391	
	GOWEN FIELD		6,435
HOMEDALE			
	ARMORY	1,157	
	HOMEDALE		1,157
	**ARMY NATIONAL GUARD		7,592
AIR NATIONAL GUARD			
	BOISE AIRPORT		
	FIRE STATION AND AGE FACILITY	1,750	
	BOISE AIRPORT		1,750
	**IDAHO		9,342
ILLINOIS			
AIR FORCE			
	SCOTT AFB		
	INTEROPERABILITY TEST AND TRAINING FAC	5,000	
	MUNITIONS STORAGE FAC/LAND ACQUIST - DBOF	2,450	
	SCOTT AFB		7,450
AIR NATIONAL GUARD			
	CAPITAL MAP		
	ALTER STORM DRAINAGE DISPOSAL	500	
	CAPITAL MAP		500
GREATER PEORIA AIRPORT			
	ADD TO AND ALTER F-16 ACRFT AVIONICS SHOP	840	
	GREATER PEORIA AIRPORT		840
	**AIR NATIONAL GUARD		1,340
ARMY RESERVE			
	ARGONNE		
	USARC/OMS	10,381	
	ARGONNE		10,381
	**ILLINOIS		19,171
INDIANA			
ARMY NATIONAL GUARD			
	CAMP ATTERBURY		
	RANGE, INF SQUAD BATTLE CRSE	1,156	
	RANGE, MOD RECORD FIRE UPGRADE	654	
	CAMP ATTERBURY		1,810
AIR NATIONAL GUARD			
	HULMAN FIELD		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	950	
	HULMAN FIELD		950
FT WAYNE MAP			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,350	
	FT WAYNE MAP		1,350
	**AIR NATIONAL GUARD		2,300
	**INDIANA		4,110
IOWA			
AIR NATIONAL GUARD			
	DES MOINES MAP		
	ADD TO AND ALTER DINING & MEDICAL TRNG FAC	1,800	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
IOWA		
AIR NATIONAL GUARD		
DES MOINES MAP		
REPLACE UNDERGROUND FUEL STORAGE TANKS	880	
DES MOINES MAP		2,680
KANSAS		
AIR FORCE		
MCCONNELL AFB		
CONTROL TOWER CAB	900	
LAND RESTRICTIVE EASEMENT ACQUISITION	1,000	
MCCONNELL AFB		1,900
AIR NATIONAL GUARD		
FORBES FIELD		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,400	
FORBES FIELD		1,400
MCCONNELL AFB		
ALTER MEDICAL TRAINING AND TELECOM	890	
MCCONNELL AFB		890
**AIR NATIONAL GUARD		2,290
**KANSAS		4,190
KENTUCKY		
ARMY		
FORT CAMPBELL		
AIRFIELD IMPROVEMENTS	3,950	
DINING FACILITIES MODERNIZATION	3,500	
MOBILIZATION WAREHOUSE	850	
WHOLE BARRACKS RENEWAL	32,000	
FORT CAMPBELL		40,300
FORT KNOX		
MAINTENANCE FACILITY	12,200	
MULTIPURPOSE TRAINING RANGE	4,150	
WHOLE BARRACKS RENEWAL	25,000	
FORT KNOX		41,350
**ARMY		81,650
SPECIAL OPERATIONS COMMAND		
FORT CAMPBELL		
ARMY SOA BN, HQS	4,300	
FORT CAMPBELL		4,300
DOD DEPENDENT SCHOOLS		
FORT CAMPBELL		
FT CAMPBELL ELEM SCHOOL	8,982	
FT CAMPBELL LINCOLN ELEM SCHOOL ADDN	1,900	
FT CAMPBELL MAHAFFEY MIDDLE SCHOOL ADDN	2,300	
FORT CAMPBELL		13,182
FORT KNOX		
FT KNOX KINSOLVER VAN/VOORHIS ELEM SCHOOL	1,600	
FT KNOX SIX GYMNASIUM ADDN	6,107	
FORT KNOX		7,707
**DOD DEPENDENT SCHOOLS		20,889
**KENTUCKY		106,839
LOUISIANA		
AIR FORCE		
BARSDALE AFB		
UPGRADE BULK STORAGE BASINS	1,600	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
LOUISIANA			
AIR FORCE			
	BARSDALE AFB		
	WEAPONS STORAGE AREA SECURITY	960	
	BARSDALE AFB		2,560
AIR NATIONAL GUARD			
	HAMMOND		
	REPLACE UNDERGROUND STORAGE TANKS	350	
	HAMMOND		350
	NEW ORLEANS NAS		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	350	
	NEW ORLEANS NAS		350
	**AIR NATIONAL GUARD		700
ARMY RESERVE			
	NEW ORLEANS		
	LAND ACQUISITION	645	
	NEW ORLEANS		645
NAVY RESERVE			
	NAVAL AIR STATION NEW ORLEANS		
	ORDNANCE COMPLEX	1,900	
	NAVAL AIR STATION NEW ORLEANS		1,900
AIR FORCE RESERVE			
	BARSDALE AFB		
	WELDING AND MACHINE SHOP	600	
	BARSDALE AFB		600
FAMILY HOUSING			
AIR FORCE			
	BARSDALE AFB		
	FAMILY HOUSING (117 UNITS)	{8,578}	
	BARSDALE AFB		
	FAMILY HOUSING		{8,578}
	**LOUISIANA		6,405
	FAMILY HOUSING		{8,578}
MAINE			
NAVY			
	KITTERY PORTSMOUTH NAVAL SHIPYARD		
	HAZARDOUS WASTE STORAGE FACILITY - DBOF	4,780	
	KITTERY PORTSMOUTH NAVAL SHIPYARD		4,780
ARMY NATIONAL GUARD			
	NORWAY		
	ARMORY EXPAN/REHAB	1,380	
	NORWAY		1,380
FAMILY HOUSING			
NAVY			
	NAS BRUNSWICK		
	NEW CONSTRUCTION (MOBILE HOME SPACES)	{490}	
	NAS BRUNSWICK		
	FAMILY HOUSING		{490}
	**MAINE		6,160
	FAMILY HOUSING		{490}
MARYLAND			
ARMY			
	ABERDEEN PROVING GROUND		
	APPLIED INSTRUCTION FACILITY	14,000	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
MARYLAND		
ARMY		
ABERDEEN PROVING GROUND		
TARGET ASSEMBLY AND STORAGE FACILITY	1,800	
UPGRADE RANGE COMPLEX	4,450	
ABERDEEN PROVING GROUND		20,250
NAVY		
BETHESDA NATIONAL NAVAL MEDICAL CENTER		
CHILD DEVELOPMENT CENTER	3,090	
BETHESDA NATIONAL NAVAL MEDICAL CENTER		3,090
AIR FORCE		
ANDREWS AFB		
AIR FREIGHT TERMINAL - DBOF T	4,400	
FIRE TRAINING FACILITY - DBOF	1,000	
UPGRADE COMPOSITE ADMIN FACILITY - DBOF	9,940	
UPGRADE SANITARY SEWER SYSTEMS	2,650	
ANDREWS AFB		17,990
FORT GEORGE MEADE		
ADD TO AIR FORCE SENIOR SCOUT OPS FAC	1,450	
FORT GEORGE MEADE		1,450
**AIR FORCE		19,440
NATIONAL SECURITY AGENCY		
FORT MEADE		
OPS 1 ROADWAY STRUCTURAL ENHANCEMENT	5,910	
SUPERCOMPUTER FACILITY	52,720	
FORT MEADE		58,630
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT DETRICK		
BIOLOGICAL INCINERATOR	4,300	
FORT DETRICK		4,300
FOREST GLEN (WRAIR)		
ARMY INSTITUTE OF RESEARCH PHASE II	48,140	
FOREST GLEN (WRAIR)		48,140
**DEFENSE MEDICAL SUPPORT ACTIVITY		52,440
ARMY NATIONAL GUARD		
TOWSON		
ARMORY ALT/ADD	2,823	
TOWSON		2,823
AIR NATIONAL GUARD		
ANDREWS AFB		
ADD TO AND ALTER AVIONICS AND ECM POD FAC	1,100	
REPLACE UNDERGROUND FUEL STORAGE TANKS	890	
ANDREWS AFB		1,990
GLENN L MARTIN AIRPORT		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,000	
GLENN L MARTIN AIRPORT		1,000
**AIR NATIONAL GUARD		2,990
NAVY RESERVE		
NAF WASHINGTON		
EQUIPMENT OPS FACILITY	2,500	
NAF WASHINGTON		2,500
AIR FORCE RESERVE		
ANDREWS AFB		
REPLACE AIRCRAFT PARKING APRON	13,373	
ANDREWS AFB		13,373

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
MARYLAND		
FAMILY HOUSING		
ARMY		
FORT MEADE REPLACEMENT CONSTRUCTION (275)	(26,000)	
FORT MEADE FAMILY HOUSING		(26,000)

**MARYLAND		175,536
FAMILY HOUSING		(26,000)
MASSACHUSETTS		
ARMY NATIONAL GUARD		
CAMP EDWARDS RANGE, MAC	-816	
RANGE, MOD RECORD FIRE (MRF) CAMP EDWARDS	-1,071	-1,887
FORT DEVENS COMBINED SUPPORT MAINT SHOP REHAB FORT DEVENS	1,887	1,887

**ARMY NATIONAL GUARD		
AIR FORCE RESERVE		
WESTOVER AFB MEDICAL TRAINING FACILITY WESTOVER AFB	2,600	2,600
FAMILY HOUSING		
AIR FORCE		
HANSCOM AFB FAMILY HOUSING (46 UNITS) HANSCOM AFB	(5,135)	(5,135)
FAMILY HOUSING		-----
		2,600
**MASSACHUSETTS		(5,135)
FAMILY HOUSING		
MICHIGAN		
AIR NATIONAL GUARD		
ALPENA COUNTY REGIONAL AIRPORT UPGRADE WATER DISTRIBUTION SYSTEM ALPENA COUNTY REGIONAL AIRPORT	1,400	1,400
SELFRIDGE ANG8 REPLACE UNDERGROUND FUEL STORAGE TANKS SELFRIDGE ANG8	710	710
WK KELLOGG REGIONAL AIRPORT ADAL FUEL CELL AND CORROSION CONTROL FAC WK KELLOGG REGIONAL AIRPORT	1,100	1,100

**AIR NATIONAL GUARD		3,210
NAVY RESERVE		
NRRC DETROIT RESCEN ADDITION NRRC DETROIT	3,100	3,100

**MICHIGAN		6,310
MINNESOTA		
ARMY NATIONAL GUARD		
CAMP RIPLEY ORGANIZATIONAL MAINT SHOPS	2,625	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST	TOTAL
MINNESOTA		
ARMY NATIONAL GUARD CAMP RIPLEY RANGE, MPRC (HEAVY) CAMP RIPLEY	3,185	5,810
AIR NATIONAL GUARD DULUTH ANGB REPLACE UNDERGROUND FUEL STORAGE TANKS DULUTH ANGB	1,000	1,000
**MINNESOTA		6,810
MISSISSIPPI		
AIR FORCE COLUMBUS AFB UPGRADE AIRFIELD LIGHTING COLUMBUS AFB	2,900	2,900
KEESLER AFB FIRE TRAINING FACILITY UNDERGROUND FUEL STORAGE TANKS UPGRADE SANITARY SEWER SYSTEM UPGRADE STUDENT DORMITORY KEESLER AFB	690 600 2,920 4,500	8,710
**AIR FORCE		11,610
AIR NATIONAL GUARD ALLEN C THOMPSON FIELD REPLACE UNDERGROUND FUEL STORAGE TANKS ALLEN C THOMPSON FIELD	730	730
GULFPORT REPLACE UNDERGROUND FUEL STORAGE TANKS UPGRADE ELECTRICAL DISTRIBUTION SYSTEM GULFPORT	335 850	1,185
**AIR NATIONAL GUARD		1,915
**MISSISSIPPI		13,525
MISSOURI		
ARMY FORT LEONARD WOOD OPERATIONS FACILITY FORT LEONARD WOOD	1,000	1,000
AIR FORCE		
WHITEMAN AFB B-2 ADD TO AND ALTER MUNITIONS STORAGE FAC B-2 AIRCRAFT APRON/TAXIWAY UPGRADE B-2 AIRCRAFT MAINTENANCE DOCK B-2 DEFENSE ACCESS ROADS B-2 HYDRANT FUELING SYSTEM LOOP, PH II B-2 UPGRADE BASE ROADS B-2 UTILITY UPGRADE B-2 VEHICLE MAINTENANCE FACILITY WHITEMAN AFB	3,338 3,400 14,500 7,150 2,700 5,900 4,850 1,700	43,538
ARMY NATIONAL GUARD FORT CROWDER TRNG SITE, TROOP MED TRNG FACIL FORT CROWDER	386	386

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION -----PROJECT NAME-----	PRCJ COST	TOTAL
MISSOURI		
AIR NATIONAL GUARD		
JEFFERSON BARRACKS ANG SITE		
ALTER COMMUNICATIONS ELECTRONICS TRNG FAC	2,800	
UPGRADE DINING HALL	720	
JEFFERSON BARRACKS ANG SITE		3,520
ROSECRANS MEMORIAL AIRPORT		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,250	
ROSECRANS MEMORIAL AIRPORT		1,250
**AIR NATIONAL GUARD		4,770
**MISSOURI		49,694
MONTANA		
AIR FORCE		
MALMSTROM AFB		
BASE ENGINEERING COMPLEX - DBOF	6,200	
UNDGD FUEL STORAGE TANKS MINUTEMAN II FACS	1,500	
MALMSTROM AFB		7,700
ARMY NATIONAL GUARD		
FT WM HENRY HARRISON		
TRNG SITE, MED UNIT TNG FACIL	501	
FT WM HENRY HARRISON		501
AIR NATIONAL GUARD		
GREAT FALLS IAP		
MEDICAL TRAINING AND DINING HALL	2,900	
REPLACE UNDERGROUND FUEL STORAGE TANKS	400	
GREAT FALLS IAP		3,300
FAMILY HOUSING		
AIR FORCE		
MALMSTROM AFB		
HOUSING OFFICE	(581)	
MALMSTROM AFB		(581)
FAMILY HOUSING		(581)
**MONTANA		11,501
FAMILY HOUSING		(581)
NEBRASKA		
AIR FORCE		
OFFUTT AFB		
ADD TO EMERGENCY BACK-UP POWER	2,300	
REPAIR AIRFIELD PAVEMENTS AND LIGHTING	8,700	
OFFUTT AFB		11,000
DEFENSE MEDICAL SUPPORT ACTIVITY		
OFFUTT AIR FORCE BASE		
LIFE SAFETY UPGRADE	1,100	
OFFUTT AIR FORCE BASE		1,100
AIR NATIONAL GUARD		
LINCOLN MAP		
FIRE STATION	1,850	
LINCOLN MAP		1,850
**NEBRASKA		13,950
NEVADA		
ARMY		
HAWTHORNE AAP		
CONTAINER HOLDING PADS	7,000	
HAWTHORNE AAP		7,000

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION -----PROJECT NAME-----	PRCJ COST	TOTAL
NEVADA		
AIR FORCE		
NELLIS AFB		
UPGRADE POL TANKS	1,650	1,650
NELLIS AFB		
AIR NATIONAL GUARD		
RENO IAP		
AIRCRAFT ARRESTING SYSTEMS	1,830	
REPLACE UNDERGROUND FUEL STORAGE TANKS	460	
RENO IAP		
		2,290
**NEVADA		10,940
NEW HAMPSHIRE		
AIR NATIONAL GUARD		
PEASE AFB		
UPGRAD KC-135 HYDRANT REFUELING SYSTEM	5,100	
PEASE AFB		
		5,100
NEW JERSEY		
ARMY		
FORT MONMOUTH		
SATELLITE CONTROL SYSTEM	7,500	
FORT MONMOUTH		
		7,500
NAVY		
EARLE NAVAL WEAPONS STATION		
EXPLOSIVES HOLDING YARD - DBOF	1,290	
HAZARDOUS WASTE STORAGE FACILITY - DBOF	870	
MATERIALS HNDLG EQUIP SERV CTR ALT - DBOF	420	
EARLE NAVAL WEAPONS STATION		
		2,580
AIR NATIONAL GUARD		
ATLANTIC CITY		
FIRE STATION	1,350	
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,900	
ATLANTIC CITY		
		3,250
NAVY RESERVE		
NRC KEARNY		
RESCEN A/C	800	
NRC KEARNY		
		800
**NEW JERSEY		14,130
NEW MEXICO		
ARMY		
WHITE SANDS MISSILE RANGE		
TARGET TRACK	2,900	
WHITE SANDS MISSILE RANGE		
		2,900
AIR FORCE		
CANNON AFB		
BASE ENGINEERING COMPLEX	6,150	
FIRE TRAINING FACILITY	1,000	
SOUND SUPPRESSOR SUPPORT PAD	665	
UNDERGROUND FUEL STORAGE TANKS	1,100	
CANNON AFB		
		8,915
HOLLOMAN AFB		
ADD TO AND ALTER DORMITORIES	6,400	
SEWER EFFLUENT SYSTEM	1,800	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		-----
NEW MEXICO		
AIR FORCE		
HOLLOMAN AFB		
UNDERGROUND FUEL STORAGE TANKS	1,000	9,200
HOLLOMAN AFB		
KIRTLAND AFB		
AEROSPACE ENGINEERING FACILITY	3,167	
ALTER DORMITORY	5,100	
COMPOSITE MATERIALS LABORATORY	5,750	
SPACE STRUCTURES LABORATORY	6,200	
UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	6,844	
KIRTLAND AFB		27,061
**AIR FORCE		45,176
DEFENSE MEDICAL SUPPORT ACTIVITY		
CANNON AIR FORCE BASE		
CHF ADD/ALT LIFE SAFETY/SEISMIC UPGRADE	13,600	13,600
CANNON AIR FORCE BASE		
AIR NATIONAL GUARD		
KIRTLAND AFB		
ALTER MAINTENANCE SHOPS	345	
ALTER OPERATIONAL TRAINING FACILITY	390	
POWER CHECK PAD WITH SOUND SUPPRESSOR	800	
KIRTLAND AFB		1,535
AIR FORCE RESERVE		
KIRTLAND AFB		
CIVIL ENGINEERING TRAINING FACILITY	900	900
KIRTLAND AFB		
**NEW MEXICO		64,111
NEW YORK		
ARMY		
U S MILITARY ACADEMY		
WHOLE BARRACKS RENEWAL	13,800	13,800
U S MILITARY ACADEMY		
AIR NATIONAL GUARD		
HAWCOCK FIELD		
FIRE STATION	1,350	1,350
HAWCOCK FIELD		
NIAGARA FALLS INTERNATIONAL AIRPORT		
ALTER KC-135 OPERATIONS FACILITIES	1,650	1,650
NIAGARA FALLS INTERNATIONAL AIRPORT		
SCHENECTADY AIRPORT AMG		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,050	1,050
SCHENECTADY AIRPORT AMG		
STEWART AIRPORT		
INDUSTRIAL WASTE HOLDING POND	320	320
STEWART AIRPORT		
**AIR NATIONAL GUARD		4,370
AIR FORCE RESERVE		
NIAGARA FALLS IAP		
BASE COMMUNICATIONS CENTER	1,300	1,300
NIAGARA FALLS IAP		
FAMILY HOUSING		
ARMY		
U S MILITARY ACADEMY		
REPLACEMENT CONSTRUCTION (100)	(15,000)	(15,000)
U S MILITARY ACADEMY		
FAMILY HOUSING		(15,000)
**NEW YORK		19,470
FAMILY HOUSING		(15,000)

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
NORTH CAROLINA		
ARMY		
FORT BRAGG		
SEWAGE TREATMENT PLANT UPGRADE	540	
TACTICAL EQUIPMENT SHOP	23,000	
TACTICAL EQUIPMENT SHOP	7,100	
WHOLE BRIGADE BARRACKS COMPLEX	71,600	
FORT BRAGG		102,240
NAVY		
CAMP LEJEUNE MARINE CORPS BASE		
LANDFILL	7,690	
MULTI-PURPOSE TRAINING RANGE	5,300	
WASTEWATER TREATMENT PLANT (PHASE I)	28,300	
CAMP LEJEUNE MARINE CORPS BASE		41,290
CAMP LEJEUNE NAVAL HOSPITAL		
BACHELOR ENLISTED QUARTERS	2,370	
CAMP LEJEUNE NAVAL HOSPITAL		2,370
CAMP LEJEUNE NAVAL HOSPITAL		
CHERRY POINT MARINE CORPS AIR STATION		
AIRCRAFT MAINTENANCE TRAINING FACILITY	4,040	
COMMUNICATIONS CENTER	3,460	
CHERRY POINT MARINE CORPS AIR STATION		7,500
**NAVY		51,160
AIR FORCE		
POPE AFB		
ADD TO AND ALTER DORMITORIES	4,300	
DINING FACILITY	4,300	
POPE AFB		8,600
SEYMOUR JOHNSON AFB		
ADD TO AND ALTER DORMITORIES	4,900	
MUNITIONS MAINTENANCE SUPPORT FACILITY	480	
SEYMOUR JOHNSON AFB		5,380
**AIR FORCE		13,980
SPECIAL OPERATIONS COMMAND		
FORT BRAGG		
MEDICAL TRNG FAC	18,450	
3SFG/4POG BARRACKS	20,000	
FORT BRAGG		38,450
DOE DEPENDENT SCHOOLS		
FORT BRAGG		
FT BRAGG ELEM SCHOOL	8,838	
FORT BRAGG		8,838
CAMP LEJEUNE MARINE CORPS BASE		
CAMP LEJEUNE AUDITORIUM/BAND ROOM	1,465	
CAMP LEJEUNE MULTI ROOM/STONE ELEM SCHOOL	328	
CAMP LEJEUNE MARINE CORPS BASE		1,793
**DOE DEPENDENT SCHOOLS		10,631
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT BRAGG		
HOSPITAL REPLACEMENT PHASE II	195,000	
FORT BRAGG		195,000
ARMY NATIONAL GUARD		
FAYETTEVILLE		
ORGANIZATIONAL MAINT SHOP	473	
FAYETTEVILLE		473

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
NORTH CAROLINA			
ARMY RESERVE			
MOREHEAD CITY			
ADD/ALT USARC/OMS/AMSA (MARINE)		9,335	
MOREHEAD CITY			9,335
FAMILY HOUSING			
ARMY			
FORT BRAGG			
REPLACEMENT CONSTRUCTION (224)		(18,000)	
FORT BRAGG			(18,000)
FAMILY HOUSING			
**NORTH CAROLINA			
FAMILY HOUSING			421,269
			(18,000)
NORTH DAKOTA			
AIR FORCE			
GRAND FORKS AFB			
UNDERGROUND FUEL STORAGE TANKS		2,600	
GRAND FORKS AFB			2,600
MINOT AFB			
UNDERGROUND FUEL STORAGE TANKS		2,000	
MINOT AFB			2,000
**AIR FORCE			
DEFENSE MEDICAL SUPPORT ACTIVITY			
GRAND FORKS AIR FORCE BASE			
LIFE SAFETY UPGRADE		860	
GRAND FORKS AIR FORCE BASE			860
ARMY NATIONAL GUARD			
BISMARCK			
AVIATION C-12 HANGAR		1,297	
BISMARCK			1,297
CAMP GRAFTON (DEVILS LAKE)			
RANGE, MOD RECORD FIRE (MRF)		1,038	
TRNG SITE, HEATING PLANT ADD		1,826	
CAMP GRAFTON (DEVILS LAKE)			2,864
**ARMY NATIONAL GUARD			
			4,161
AIR NATIONAL GUARD			
HECTOR FIELD			
UPGRADE STORM DRAINAGE		400	
HECTOR FIELD			400
**NORTH DAKOTA			
			10,021
OHIO			
AIR FORCE			
WRIGHT-PATTERSON AFB			
ADAL ACQUISITION MANAGEMENT CNPLX, PH II		12,850	
ADD TO AVIONICS RESEARCH LAB, PHASE II		5,650	
RENOVATE ELECTRIC SUBSTATIONS		4,450	
SEAL FUEL CONTAINMENT DIKES		1,500	
UNDERGROUND FUEL STORAGE TANKS		3,200	
WRIGHT-PATTERSON AFB			27,650
DEFENSE LOGISTICS AGENCY			
DEF ELECTRONICS SUPPLY CENTER			
INSTALL GAS-FIRED BOILERS		6,000	
DEF ELECTRONICS SUPPLY CENTER			6,000

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION -----PROJECT NAME-----	PRCJ COST	TOTAL
OHIO		
DEFENSE LOGISTICS AGENCY		
DEFENSE CONSTRUCTION SUPPLY CENTER		
CHILD DEVELOPMENT CENTER	3,100	
DEFENSE CONSTRUCTION SUPPLY CENTER		3,100
**DEFENSE LOGISTICS AGENCY		9,100
ARMY RESERVE		
COLUMBUS		
USARC/OMS/AHSA/DS-GS	14,701	
COLUMBUS		14,701
AIR FORCE RESERVE		
YOUNGSTOWN MAP		
WIDEN AIRCRAFT PARKING APRON	1,450	
YOUNGSTOWN MAP		1,450
**OHIO		52,901
OKLAHOMA		
ARMY		
FORT SILL		
WHOLE BARRACKS RENEWAL	15,700	
FORT SILL		15,700
AIR FORCE		
ALTUS AFB		
C-17 ADD TO ACFT MAINT FACILITY - DBOF T	3,300	
C-17 ADD TO FLT SIMULAT TRN FAC - DBOF T	2,850	
C-17 FIRE STATION - DBOF	780	
ALTUS AFB		6,930
TINKER AFB		
ALTER HYDRANT FUELING SYSTEM	4,129	
ENGINEERING AND CONTRACT SUPPORT FACILITY	5,900	
INDTL WASTEWATER REGIONAL CONNECT - DBOF	5,400	
MILSTAR COMMUNICATIONS GROUND TERMINAL	800	
SEAL FUEL CONTAINMENT DIKES	620	
UNDERGROUND FUEL STORAGE TANKS	4,700	
TINKER AFB		21,549
VANCE AFB		
T-1 SPECIALIZED UPT MAINTENANCE SUPPORT	2,700	
UPGRADE AIRFIELD LIGHTING	3,300	
VANCE AFB		6,000
**AIR FORCE		34,479
AIR NATIONAL GUARD		
TULSA IAP		
ADD TO AND ALTER FIRE STATION	460	
TULSA IAP		460
WILL ROGERS WORLD AIRPORT		
COMPOSITE SUPPORT FACILITY	3,900	
MOBILITY EQUIPMENT STORAGE WAREHOUSE	950	
WILL ROGERS WORLD AIRPORT		4,850
**AIR NATIONAL GUARD		5,310
**OKLAHOMA		55,489
OREGON		
AIR NATIONAL GUARD		
PORTLAND IAP		
ADD TO AND ALTER FIRE STATION	500	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION	PROJECT NAME	PRGJ COST	TOTAL
OREGON			
AIR NATIONAL GUARD			
PORTLAND IAP			
DRAINAGE IMPROVEMENTS		600	
PORTLAND IAP			1,100
PENNSYLVANIA			
ARMY			
TOBYHAMMA ARMY DEPOT			
WATER POLLUTION ABATEMENT	<i>DBOF</i>	750	
TOBYHAMMA ARMY DEPOT			750
NAVY			
PHILADELPHIA NAV INACTIVE SHIP MAINT FAC			
BERTHING WHARF IMPROVEMENTS (INCR II)		8,660	
PHILADELPHIA NAV INACTIVE SHIP MAINT FAC			8,660
PHILADELPHIA NAVY AVIATION SUPPLY OFFICE			
ELECTRICAL DISTRIB SYSTEM UPGRADE - DBOF		1,900	
PHILADELPHIA NAVY AVIATION SUPPLY OFFICE			1,900
			<hr/>
**NAVY			10,560
SPECIAL OPERATIONS COMMAND			
OLMSTEAD FIELD, HARRISBURG IAP			
AVION/ECM POD FAC(O)		1,300	
OLMSTEAD FIELD, HARRISBURG IAP			1,300
AIR NATIONAL GUARD			
FT INDIANTOWN ANG COMMUNICATIONS SITE			
CIVIL ENGINEERING MAINTENANCE SHOPS		850	
FT INDIANTOWN ANG COMMUNICATIONS SITE			850
AIR FORCE RESERVE			
GREATER PITTSBURGH IAP			
JET FUEL STORAGE COMPLEX		4,300	
OFF BASE FIRING RANGE		1,300	
GREATER PITTSBURGH IAP			5,600
			<hr/>
**PENNSYLVANIA			19,060
RHODE ISLAND			
NAVY			
NEWPORT NAVAL EDUCATION & TRAINING CENTER			
BACHELOR ENLISTED QUARTERS		7,500	
ELECTRICAL DISTR SYS UPGRADE (INCR II)		3,800	
NEWPORT NAVAL EDUCATION & TRAINING CENTER			11,300
AIR NATIONAL GUARD			
COVENTRY AGS			
REPLACE UNDERGROUND FUEL STORAGE TANKS		840	
COVENTRY AGS			840
NORTH SMITHFIELD ANG			
REPLACE UNDERGROUND FUEL STORAGE TANKS		550	
NORTH SMITHFIELD ANG			550
QUONSET STATE AIRPORT			
BASE ENGINEER MAINTENANCE FACILITY		2,750	
REPLACE UNDERGROUND FUEL STORAGE TANKS		890	
QUONSET STATE AIRPORT			3,640
			<hr/>
**AIR NATIONAL GUARD			5,030
NAVY RESERVE			
NETC NEWPORT			
CBU ADDITION		500	
NETC NEWPORT			500
			<hr/>
**RHODE ISLAND			16,830

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PROJ COST	TOTAL
STATE/COMP./INSTALLATION	-----PROJECT NAME-----		
SOUTH CAROLINA			
ARMY			
	FORT JACKSON		
	OPERATIONS FACILITY	1,100	
	RANGE UPGRADE	1,600	
	FORT JACKSON		2,700
NAVY			
	BEAUFORT MARINE CORPS AIR STATION		
	BACHELOR ENLISTED QUARTERS (PHASE II)	8,390	
	JET FUEL DELIVERY SYSTEM IMPROVEMENT	2,510	
	BEAUFORT MARINE CORPS AIR STATION		10,900
	CHARLESTON NAVAL WEAPONS STATION		
	FIRE PROTECTION PIPELINE - DBOF	580	
	CHARLESTON NAVAL WEAPONS STATION		580
	**NAVY		11,480
AIR FORCE			
	CHARLESTON AFB		
	FIRE TRAINING FACILITY - DBOF	1,100	
	CHARLESTON AFB		1,100
	SHAW AFB		
	CHILD DEVELOPMENT CENTER	2,650	
	CONTROL TOWER	2,700	
	UNDERGROUND FUEL STORAGE TANKS	520	
	SHAW AFB		5,870
	**AIR FORCE		6,970
AIR NATIONAL GUARD			
	MCENTIRE		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,750	
	UPGRADE AIRFIELD LIGHTING AND PAVEMENT	4,200	
	MCENTIRE		5,950
ARMY RESERVE			
	FORT JACKSON		
	USARC/OHS/DS	10,428	
	FORT JACKSON		10,428
	**SOUTH CAROLINA		37,528
SOUTH DAKOTA			
AIR FORCE			
	ELLSWORTH AFB		
	ALTER AIRCRAFT MAINTENANCE DOCK	630	
	ELLSWORTH AFB		630
	DEFENSE MEDICAL SUPPORT ACTIVITY		
	ELLSWORTH AIR FORCE BASE		
	LIFE SAFETY UPGRADE	1,400	
	ELLSWORTH AIR FORCE BASE		1,400
AIR NATIONAL GUARD			
	JOE FOSS FIELD		
	ADAL FUEL SYSTEMS MAINT/CORROSION DOCK	1,700	
	ALTER COMPOSITE OPERATIONS & TRAINING FAC	350	
	JOE FOSS FIELD		2,050
	**SOUTH DAKOTA		4,080
TENNESSEE			
NAVY			
	MEMPHIS NAVAL AIR STATION		
	FIRE ALARM SYSTEM IMPROVEMENTS	1,100	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
TENNESSEE			
NAVY			
	MEMPHIS NAVAL AIR STATION		
	FUELS TRAINER FACILITY	600	
	POTABLE WATER SYSTEM IMPROVEMENTS	350	
	MEMPHIS NAVAL AIR STATION		2,050
AIR FORCE			
	ARNOLD ENGINEERING DEV CENTER		
	UPGRADE SEWAGE TREATMENT PLANT	1,500	
	ARNOLD ENGINEERING DEV CENTER		1,500
	MEMPHIS NAVAL AIR STATION		
	ADAL HIGH-BAY TECHNICAL TRAINING FACILITY	3,000	
	ALTER TECHNICAL TRAINING FACILITY	2,000	
	RENOVATE DORMITORY	1,200	
	MEMPHIS NAVAL AIR STATION		6,200
	**AIR FORCE		7,700
DEFENSE MEDICAL SUPPORT ACTIVITY			
	MILLINGTON NAVAL AIR STATION		
	HOSP LIFE SAFETY/SEISMIC UPGRADE PHASE II	5,000	
	MILLINGTON NAVAL AIR STATION		5,000
AIR NATIONAL GUARD			
	ALCOA AIR NATIONAL GUARD STATION		
	ADAL COMMUNICATIONS ELECTRONICS TRNG FAC	1,300	
	ALCOA AIR NATIONAL GUARD STATION		1,300
MCGHEE-TYSON AIRPORT			
	PMEC ADMINISTRATIVE SUPPORT FACILITY	2,200	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,100	
	MCGHEE-TYSON AIRPORT		3,300
NASHVILLE MAP			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,000	
	NASHVILLE MAP		1,000
	**AIR NATIONAL GUARD		5,600
NAVY RESERVE			
	MMCRC CHATTANOOGA		
	RESCEN REPLACEMENT	3,690	
	MMCRC CHATTANOOGA		3,690
	**TENNESSEE		24,040
TEXAS			
ARMY			
	FORT BLISS		
	CONSOLIDATED MAINTENANCE FACILITY	14,000	
	FORT BLISS		14,000
FORT HOOD			
	CLOSE COMBAT TACTICAL TRAINER FACILITY	7,500	
	COLD/DRY STORAGE FACILITY	13,400	
	TACTICAL EQUIPMENT SHOP	5,300	
	TEST AND EVALUATION SUPPORT FACILITY	5,200	
	WHOLE BARRACKS RENOVAL	18,000	
	FORT HOOD		49,400
FORT SAM HOUSTON			
	MULTI-PURPOSE FAMILY SERVICE	4,351	
	FORT SAM HOUSTON		4,351
	**ARMY		67,751

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----		
TEXAS		
NAVY		
CORPUS CHRISTI NAVAL AIR STATION		
BACHELOR ENLISTED QUARTERS IMPROVEMENTS	1,670	
CORPUS CHRISTI NAVAL AIR STATION		1,670
AIR FORCE		
DYESS AFB		
UPGRADE HYDRANT FUELING SYSTEM, PHASE II	9,500	
WEAPONS STORAGE AREA SECURITY	890	
DYESS AFB		10,390
GOODFELLOW AFB		
BASE ENGINEERING COMPLEX	3,700	
GOODFELLOW AFB		3,700
KELLY AFB		
ADD TO & ALTER DORMITORIES - DBOF	2,000	
ALT WEAPON SYS SUPPORT CTR, PH II - DBOF	7,800	
C-17 ADAL NDI FACILITY - DBOF	4,900	
C-17 ALTDEPOT AVIONICS FACILITY - DBOF	731	
C-17 ENGINEERING TEST LABORATORY	2,600	
UPGRADE SANITARY SEWER MAINS	3,000	
UPGRADE STORM DRAINAGE SYSTEM, PHASE I	2,900	
UPGRADE TAXIWAY	3,550	
KELLY AFB		27,481
LACKLAND AFB		
ALTER BASE SUPPORT FACILITY	5,400	
BASE CONTRACTING CENTER	2,450	
MISSION SUPPORT CENTER	7,543	
TRAINING SERVICES FACILITIES	5,800	
7-LEVEL TRAINING DORMITORY	8,900	
LACKLAND AFB		30,093
LACKLAND TRAINING ANNEX		
VEHICLE MAINTENANCE FACILITY	1,200	
LACKLAND TRAINING ANNEX		1,200
LAUGHLIN AFB		
FIRE STATION	2,400	
UPGRADE AIRFIELD LIGHTING	3,000	
UPGRADE AIRFIELD PAVEMENT	3,250	
LAUGHLIN AFB		8,650
RANDOLPH AFB		
CONTROL TOWER	2,800	
UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	2,500	
RANDOLPH AFB		5,300
REESE AFB		
UNDERGROUND FUEL STORAGE TANKS	900	
REESE AFB		900
SHEPPARD AFB		
ADD TO AND ALTER CHILD DEVELOPMENT CENTER	780	
ENJPT ALTER FLIGHT TRAINING FACILITY	2,200	
FIRE TRAINING FACILITY	850	
7-LEVEL TRAINING DORMITORY	14,200	
SHEPPARD AFB		18,030
**AIR FORCE		105,744
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT SAM HOUSTON		
COMBAT MEDIC TRAINING COMPLEX	1,400	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----		
TEXAS		
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT SAM HOUSTON		
HOSPITAL REPLACEMENT PHASE VII	75,000	
MCO ACADEMY-AMEDD CENTER AND SCHOOL	3,400	
FORT SAM HOUSTON		79,800
AIR NATIONAL GUARD		
ELLINGTON FIELD		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,600	1,600
ELLINGTON FIELD		
KELLY AFB		
REPLACE UNDERGROUND FUEL STORAGE TANKS	560	
KELLY AFB		560
**AIR NATIONAL GUARD		
AIR FORCE RESERVE		
KELLY AFB		
RED HORSE STRUCTURAL/UTILITY FACILITY	2,300	2,300
KELLY AFB		
FAMILY HOUSING		
AIR FORCE		
DYESS AFB		
HOUSING MAINTENANCE FACILITY	(281)	
DYESS AFB		(281)
FAMILY HOUSING		
LACKLAND AFB		
FAMILY HOUSING (111 UNITS)	(8,770)	
LACKLAND AFB		(8,770)
FAMILY HOUSING		
**AIR FORCE		
FAMILY HOUSING		
		(9,051)
**TEXAS		
FAMILY HOUSING		
		259,425
		(9,051)
UTAH		
ARMY		
DUGWAY PROVING GROUND		
LIFE SCIENCES TEST FACILITY	16,500	16,500
DUGWAY PROVING GROUND		
TOOELE ARMY DEPOT		
TREATY COMPLIANCE FACILITY	1,500	1,500
TOOELE ARMY DEPOT		
**ARMY		
18,000		
AIR FORCE		
HILL AFB		
FIRE TRAINING FACILITY - DBOF	880	
UPGDS IMDTL WASTEWATER TRTMT FLT - DBOF	5,100	
UPGRADE WATER DISTRIBUTION SYSTEM	2,400	
HILL AFB		8,380
DEFENSE LOGISTICS AGENCY		
DEF REUTILIZATION & MKTG OFC HILL AFB		
FIRE PROTECTION & OPEN STORAGE	1,700	1,700
DEF REUTILIZATION & MKTG OFC HILL AFB		

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
UTAH		
ARMY NATIONAL GUARD		
CAMP WILLIAMS		
RANGE, INFANTRY SQUAD BATTLE CRSE	1,066	
RANGE, MAC	850	
CAMP WILLIAMS		1,916
AIR NATIONAL GUARD		
SALT LAKE CITY IAP		
ADAL COMMUNICATION AND ELECTRONICS TRNG	850	
ALTER COMPOSITE SUPPORT FACILITY	950	
SITE RESTORATION	2,000	
SALT LAKE CITY IAP		3,800

**UTAH		33,796
VERMONT		
ARMY NATIONAL GUARD		
CAMP JOHNSON		
ORGANIZATIONAL MAINT SHOP	1,002	
CAMP JOHNSON		1,002
JERICO		
TRNG SITE, SUPPORT FACILITIES	304	
JERICO		304

**ARMY NATIONAL GUARD		1,306
AIR NATIONAL GUARD		
BURLINGTON IAP		
FIRE STATION	1,500	
BURLINGTON IAP		1,500

**VERMONT		2,806
VIRGINIA		
ARMY		
FORT BELVOIR		
OPERATIONS FACILITY	860	
FORT BELVOIR		860
FORT LEE		
APPLIED INSTRUCTION FACILITY	12,600	
WHOLE BARRACKS RENOVAL	20,000	
FORT LEE		32,600
FORT MYER		
WHOLE BARRACKS RENOVAL	6,800	
FORT MYER		6,800

**ARMY		40,260
NAVY		
CHESAPEAKE MARINE CORPS SEC FORCE BATTN NW		
ACADEMIC INSTRUCTION BUILDING	2,320	
INDOOR RANGE COMPLEX	3,060	
CHESAPEAKE MARINE CORPS SEC FORCE BATTN NW		5,380
CRANEY ISLAND FLT & INDUS SUPPLY CTR ASBEX		
WASTEWATER TREATMENT PLANT MODS - DBOP	11,740	
CRANEY ISLAND FLT & INDUS SUPPLY CTR ASBEX		11,740
NORFOLK CDR OPERATIONAL TEST & EVAL FORCE		
OPERATIONS TEST & EVALUATION MGMT CTR	8,100	
NORFOLK CDR OPERATIONAL TEST & EVAL FORCE		8,100

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME-----	PRCJ COST	TOTAL
VIRGINIA			
NAVY			
	NORFOLK NAVAL AIR STATION		
	BACHELOR ENLISTED QUARTERS	12,270	12,270
	NORFOLK NAVAL AIR STATION		
	NORFOLK NAVAL AVIATION DEPOT		
	AIRCRAFT REWORK FACILITY - DBOF	17,800	17,800
	NORFOLK NAVAL AVIATION DEPOT		
	NORFOLK NAVY PUBLIC WORKS CENTER		
	TRASH RECYCLE FACILITY ADDITION - DBOF	5,330	5,330
	NORFOLK NAVY PUBLIC WORKS CENTER		
	PORTSMOUTH NORFOLK NAVAL SHIPYARD		
	BACHELOR ENLISTED QUARTERS	13,420	13,420
	PORTSMOUTH NORFOLK NAVAL SHIPYARD		
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		
	ANTI-ARMOR TRACKING & LIVE FIRE RANGE	3,600	
	CHILD DEVELOPMENT CENTER	3,850	
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		7,450
	WALLOPS IS NAVAL SURFACE WEAPONS CTR DET		
	SHIP SELF-DEFENSE ENGINEERING FACILITY	10,170	10,170
	WALLOPS IS NAVAL SURFACE WEAPONS CTR DET		
	**NAVY		91,660
AIR FORCE			
	LANGLEY AFB		
	ADD TO AND ALTER CARS OPERATIONS FACILITY	5,373	
	BASE ENGINEERING COMPLEX, PHASE II	4,000	
	FIRE STATION	3,850	
	RESTORE KING STREET BRIDGE	4,100	
	UNDERGROUND FUEL STORAGE TANKS	500	
	LANGLEY AFB		17,823
	SPECIAL OPERATIONS COMMAND		
	NAVAL AMPHIBIOUS BASE, LITTLE CREEK		
	SOF SPECBOATRON FBC SUPPORT	7,500	7,500
	NAVAL AMPHIBIOUS BASE, LITTLE CREEK		
	DEFENSE LOGISTICS AGENCY		
	FT. BELVOIR		
	ADMINISTRATIVE BUILDING	5,200	5,200
	FT. BELVOIR		
	DEFENSE GENERAL SUPPLY CENTER		
	ALTER HAZARDOUS MATERIAL WAREHOUSE	2,900	
	HAZARDOUS MATERIAL PROCESSING FACILITY	4,600	
	SHEDS FOR OIL STORAGE	9,500	
	DEFENSE GENERAL SUPPLY CENTER		17,000
	**DEFENSE LOGISTICS AGENCY		22,200
	DOD DEPENDENT SCHOOLS		
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		
	QUANTICO HIGH ADDN	422	422
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		
	DEFENSE MEDICAL SUPPORT ACTIVITY		
	FORT EUSTIS		
	LIFE SAFETY UPGRADE	3,650	3,650
	FORT EUSTIS		
	PORTSMOUTH NAVAL HOSPITAL		
	HOSPITAL REPLACEMENT V	211,900	211,900
	PORTSMOUTH NAVAL HOSPITAL		
	**DEFENSE MEDICAL SUPPORT ACTIVITY		215,550

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
VIRGINIA		
AIR NATIONAL GUARD		
CAMP PENDLETON ANGB		
BASE ENGINEER MAINTENANCE AND STORAGE FAC	1,150	
CAMP PENDLETON ANGB		1,150
RICHARD E BYRD IAP		
ADAL FUEL SYSTEMS MAINTENANCE DOCK	1,300	
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,100	
RICHARD E BYRD IAP		2,400

**AIR NATIONAL GUARD		3,550
NAVY RESERVE		
MCRC DAMNECK		
ELECTRONIC MAINT SHOP	1,000	
MCRC DAMNECK		1,000
FAMILY HOUSING		
NAVY		
NAVAL AIR STATION OCEANA		
NEW CONSTRUCTION (COMMUNITY CENTER)	(860)	
NAVAL AIR STATION OCEANA		
FAMILY HOUSING		(860)
NAVAL COMPLEX NORFOLK		
NEW CONSTRUCTION (392 HOMES)	(50,674)	
NAVAL COMPLEX NORFOLK		
FAMILY HOUSING		(50,674)

**NAVY		(51,534)
AIR FORCE		
LANGLEY AFB		
HOUSING OFFICE	(452)	
LANGLEY AFB		
FAMILY HOUSING		(452)

**VIRGINIA		399,965
FAMILY HOUSING		(51,986)
WASHINGTON		
ARMY		
FORT LEWIS		
INCINERATOR BUILDING COMPLETION	14,200	
FORT LEWIS		14,200
NAVY		
BANGOR NAVAL SUBMARINE BASE		
MESS HALL ADDITION	1,720	
OILY WASTE TREATMENT FACILITY	1,380	
BANGOR NAVAL SUBMARINE BASE		3,100
EVERETT NAVAL STATION		
BREAKWATER	22,200	
STEAM PLANT	11,800	
EVERETT NAVAL STATION		34,000
KEYPORT NAVAL UNDERSEA WARFARE CENTER DIV		
HAZARDOUS WASTE STORAGE FACILITY - DBOF	8,980	
KEYPORT NAVAL UNDERSEA WARFARE CENTER DIV		8,980

**NAVY		46,080

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----		-----
WASHINGTON		
AIR FORCE		
FAIRCHILD AFB		
INTELLIGENCE TECHNICAL TRAINING FACILITY	3,500	
FAIRCHILD AFB		3,500
MCCHORD AFB		
ADD TO & ALTER DORMITORIES - DBOF	6,500	
CHILD DEVELOPMENT CTR COMPLEX - DBOF	4,400	
MCCHORD AFB		10,900
**AIR FORCE		14,400
DEFENSE MEDICAL SUPPORT ACTIVITY		
FAIRCHILD AIR FORCE BASE		
UTILITY/LIFE SAFETY UPGRADE	8,250	
FAIRCHILD AIR FORCE BASE		8,250
ARMY NATIONAL GUARD		
YAKIMA TRAINING CENTER (YAKIMA)		
RANGE, MACHINE GUN MODIFICATION	1,527	
YAKIMA TRAINING CENTER (YAKIMA)		1,527
AIR NATIONAL GUARD		
BELLINGHAM MUNICIPAL AIRPORT ANG		
REPLACE UNDERGROUND FUEL STORAGE TANKS	420	
BELLINGHAM MUNICIPAL AIRPORT ANG		420
CAMP MURRAY		
REPLACE UNDERGROUND FUEL STORAGE TANKS	380	
CAMP MURRAY		380
FOUR LAKES COMMUNICATIONS STATION		
REPLACE UNDERGROUND FUEL STORAGE TANKS	360	
FOUR LAKES COMMUNICATIONS STATION		360
PAINE FIELD ANG STATION		
REPLACE UNDERGROUND FUEL STORAGE TANKS	320	
PAINE FIELD ANG STATION		320
SEATTLE AIR NATIONAL GUARD BASE		
REPLACE UNDERGROUND FUEL STORAGE TANKS	320	
SEATTLE AIR NATIONAL GUARD BASE		320
**AIR NATIONAL GUARD		1,800
ARMY RESERVE		
FORT LEWIS		
USARC/OMS/AMSA/ECS/WAREHOUSE	14,703	
FORT LEWIS		14,703
NAVY RESERVE		
JOINT TRAINING CENTER EVERETT		
RESCEN REPLACEMENT	2,550	
JOINT TRAINING CENTER EVERETT		2,550
FAMILY HOUSING		
NAVY		
NAVAL SUBMARINE BASE BANGOR		
NEW CONSTRUCTION (290 HOMES)	(27,438)	
NAVAL SUBMARINE BASE BANGOR		(27,438)
FAMILY HOUSING		
AIR FORCE		
FAIRCHILD AFB		
FAMILY HOUSING (1 UNIT)	(184)	
FAIRCHILD AFB		(184)
FAMILY HOUSING		
**WASHINGTON		103,510
FAMILY HOUSING		(27,622)

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
WEST VIRGINIA			
AIR NATIONAL GUARD			
E WV REGIONAL APT (MARTINSBURG)			
ADD TO AERIAL PORT TRAINING FACILITY		390	
E WV REGIONAL APT (MARTINSBURG)			390
YEAGER AIRPORT			
REPLACE UNDERGROUND FUEL STORAGE TANKS		370	
YEAGER AIRPORT			370
**AIR NATIONAL GUARD			
			760
WISCONSIN			
AIR NATIONAL GUARD			
BILLY MITCHELL FIELD			
REPLACE UNDERGROUND FUEL STORAGE TANKS		600	
BILLY MITCHELL FIELD			600
TRUAX FIELD			
FIRE STATION		1,400	
TRUAX FIELD			1,400
VOLK FIELD			
REPLACE UNDERGROUND FUEL STORAGE TANKS		510	
VOLK FIELD			510
**AIR NATIONAL GUARD			
			2,510
NAVY RESERVE			
NMCRC GREEN BAY			
RESCEN ADDITION		650	
NMCRC GREEN BAY			650
AIR FORCE RESERVE			
BILLY MITCHELL FIELD			
ADD FIRE PROTECTION TO AIRCRAFT HANGARS		1,500	
UPGRADE BASE FUELS COMPLEX		1,800	
BILLY MITCHELL FIELD			3,300
FAMILY HOUSING			
ARMY			
FORT MCCOY			
REPLACEMENT CONSTRUCTION (16)		(2,950)	
FORT MCCOY			
FAMILY HOUSING			(2,950)
**WISCONSIN			
			6,460
FAMILY HOUSING			(2,950)
WYOMING			
AIR FORCE			
F E WARREN AFB			
REMOTE MISSILE CREW FACILITIES		3,800	
RENOVATE SECURITY POLICE OPERATIONS		6,000	
UNDERGROUND FUEL STORAGE TANKS		2,200	
WEAPONS STORAGE AREA SECURITY		640	
F E WARREN AFB			12,640
FAMILY HOUSING			
AIR FORCE			
F E WARREN AFB			
FAMILY HOUSING (107 UNITS)		(10,572)	
F E WARREN AFB			
FAMILY HOUSING			(10,572)
**WYOMING			
			12,640
FAMILY HOUSING			(10,572)

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
CONUS CLASSIFIED			
ARMY			
	CLASSIFIED LOCATIONS		
	CLASSIFIED PROJECT	3,000	
	CLASSIFIED LOCATIONS		3,000
AIR FORCE			
	CLASSIFIED LOCATION		
	OMEGA FACILITIES	2,600	
	SPECIAL TACTICAL UNIT DETENTION FACILITY	5,540	
	CLASSIFIED LOCATION		8,140
DEFENSE LEVEL ACTIVITIES			
	OSD MILCON		
	CLASSIFIED LOCATION	5,600	
	OSD MILCON		5,600
AIR FORCE RESERVE			
	AIR FORCE RESERVE		
	CONSTRUCT AIRCRAFT PARKING APRON	8,000	
	AIR FORCE RESERVE		8,000
**CONUS CLASSIFIED			24,740
CONUS VARIOUS			
NAVY			
	CONUS VARIOUS		
	WASTEWATER COLLECTION & TREATMENT SYSTEM	3,260	
	CONUS VARIOUS		3,260
<u>TOTALS</u>			
ARMY			
	FAMILY HOUSING		749,593 (138,950)
NAVY			
	FAMILY HOUSING		507,250 (138,679)
AIR FORCE			
	AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		975,908 (9,200)
	FAMILY HOUSING		(90,064)
DEFENSEWIDE			
			925,342
INSIDE THE UNITED STATES			
	AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		3,158,093 (9,200)
	FAMILY HOUSING		(367,693)

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES SPECIFIED OUTSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
ANTIGUA		
AIR FORCE		
ANTIGUA ISLAND		
SLPI-UPGRADE BACKUP GENERATOR	1,000	
SLPI-WASTEWATER TREATMENT PLANT	3,400	
ANTIGUA ISLAND		4,400
DIEGO GARCIA		
AIR FORCE		
DIEGO GARCIA		
GPS INSTRUMENTATION FACILITY	1,700	
SATELLITE TRACKING STORAGE FACILITY	560	
DIEGO GARCIA		2,260
DEFENSE LOGISTICS AGENCY		
DIEGO GARCIA		
FUEL TANKAGE	9,558	
DIEGO GARCIA		9,558
**DIEGO GARCIA		11,818
GERMANY		
AIR FORCE		
RAMSTEIN AB		
CHILD DEVELOPMENT CENTER	3,100	
RAMSTEIN AB		3,100
GREENLAND		
AIR FORCE		
THULE AB		
WASTEWATER TREATMENT PLANT	5,492	
THULE AB		5,492
GUAM		
NAVY		
ANDERSON AIR FORCE BASE NAVAL AIR FACILITY		
BACHELOR ENLISTED QUARTERS RENOVATION	3,560	
BACHELOR OFFICER QUARTERS MODERNIZATION	3,750	
ANDERSON AIR FORCE BASE NAVAL AIR FACILITY		7,310
FLEET AND INDUSTRIAL SUPPLY CENTER		
GAS BOTTLE STORAGE FACILITY - DBOF	1,240	
INTEGRATED STORAGE HANDLING FACILITY - DBOF	21,200	
FLEET AND INDUSTRIAL SUPPLY CENTER		22,440
MILITARY SEALIFT COMMAND OFFICE		
MILITARY SEALIFT COMMAND OPERATIONS BLDG	2,170	
MILITARY SEALIFT COMMAND OFFICE		2,170
NAVAL HOSPITAL		
CHILD DEVELOPMENT CENTER		
NAVAL HOSPITAL	2,460	
		2,460
NAVAL MAGAZINE		
INERT STOREHOUSES		
NAVAL MAGAZINE	3,750	
		3,750
NAVAL OCEANOGRAPHY COMMAND CENTER		
OCEANOGRAPHY BUILDING ALTERATIONS	690	
NAVAL OCEANOGRAPHY COMMAND CENTER		690
NAVAL STATION		
CHILD DEVELOPMENT CENTER ADDITION	2,020	

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES SPECIFIED OUTSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
GUAM		
NAVY		
NAVAL STATION		
EXPLOSIVE ORDNANCE DISPOSAL OPERS FAC	12,500	14,520
NAVAL STATION		
NAVY PUBLIC WORKS CENTER		
SEWERAGE TREATMENT PLANT - DBOF	7,230	
TRANSPORTATION PARTS STORAGE FAC - DBOF	1,610	
WATERFRONT UTILITIES - DBOF	11,840	20,680
NAVY PUBLIC WORKS CENTER		
		<u>74,020</u>
**NAVY		
AIR FORCE		
ANDERSEN AFB		
UNDERGROUND FUEL STORAGE TANKS	4,100	4,100
ANDERSEN AFB		
AIR NATIONAL GUARD		
ANDERSON AFB		
BASE SUPPLIES AND EQUIPMENT WAREHOUSE	400	400
ANDERSON AFB		
		<u>78,520</u>
**GUAM		
ITALY		
NAVY		
MAPLES NAVAL SUPPORT ACTIVITY		
QUALITY OF LIFE (INCREMENT I)	11,740	11,740
MAPLES NAVAL SUPPORT ACTIVITY		
SIGONELLA NAVAL AIR STATION		
CHILD DEVELOPMENT CENTER	3,460	3,460
SIGONELLA NAVAL AIR STATION		
		<u>15,200</u>
**NAVY		
FAMILY HOUSING		
AIR FORCE		
COMISO AB		
FAMILY HOUSING (460 UNITS)	(20,200)	
COMISO AB		
FAMILY HOUSING		(20,200)
		<u>15,200</u>
**ITALY		
FAMILY HOUSING		(20,200)
KWAJALEIN		
ARMY		
KWAJALEIN		
SEWAGE TREATMENT FACILITY	11,200	
UNACCOMPANIED PERSONNEL HOUSING	10,000	21,200
KWAJALEIN		
OMAH		
AIR FORCE		
THUNGBAIT AB		
WAR READINESS MATERIEL COVERED STORAGE FAC	1,800	1,800
THUNGBAIT AB		
PUERTO RICO		
DEFENSE LOGISTICS AGENCY		
DEFENSE FUEL SUPPORT POINT ROOSEVELT ROADS		
FUEL TANKAGE	5,800	5,800
DEFENSE FUEL SUPPORT POINT ROOSEVELT ROADS		

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES SPECIFIED OUTSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----	-----	-----
PUERTO RICO		
AIR NATIONAL GUARD		
PUERTO RICO IAP		
ADD TO AND ALTER F-16 AVIONICS SHOP	320	
ALTER FUEL SYSTEMS MAINTENANCE FACILITY	750	
UPGRADE F-16 ACFT PKNG RAMP SECURITY SYS	2,000	
PUERTO RICO IAP		3,070
**PUERTO RICO		8,870
FAMILY HOUSING		
SCOTLAND		
NAVY		
NAVAL SECURITY GROUP ACTIVITY EDZELL		
NEW CONSTRUCTION (40 HOMES)	(6,000)	
NAVAL SECURITY GROUP ACTIVITY EDZELL		(6,000)
FAMILY HOUSING		
SPAIN		
NAVY		
ROTA NAVAL STATION		
CHILD DEVELOPMENT CENTER	2,670	
ROTA NAVAL STATION		2,670
TURKEY		
AIR FORCE		
INCIRLIK AB		
ADD TO AND ALTER DORMITORIES	2,400	
INCIRLIK AB		2,400
UNITED KINGDOM		
AIR FORCE		
RAF MILDENHALL		
NAVAL AIR FACILITY	4,800	
RAF MILDENHALL		4,800
FAMILY HOUSING		
NAVY		
NAVAL ACTIVITIES LONDON		
NEW CONSTRUCTION (81 HOMES)	(15,470)	
NAVAL ACTIVITIES LONDON		(15,470)
FAMILY HOUSING		
**UNITED KINGDOM		4,800
FAMILY HOUSING		(15,470)
OVERSEAS CLASSIFIED		
ARMY		
OVERSEAS CLASSIFIED		
COMMUNICATIONS MAINTENANCE FACILITY	3,600	
OVERSEAS CLASSIFIED		3,600
AIR FORCE		
OVERSEAS CLASSIFIED		
WAR READINESS MATERIEL WAREHOUSE	5,500	
OVERSEAS CLASSIFIED		5,500
DEFENSE LEVEL ACTIVITIES		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT	10,755	
OVERSEAS CLASSIFIED		10,755
**OVERSEAS CLASSIFIED		19,855

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
(\$ THOUSANDS)

STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST	TOTAL
TOTALS		
ARMY		24,800
NAVY		91,890
FAMILY HOUSING		(21,470)
AIR FORCE		37,322
FAMILY HOUSING		(20,200)
DEFENSEWIDE		26,113
SPECIFIED OUTSIDE THE UNITED STATES		180,125
FAMILY HOUSING		(41,670)

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES UNSPECIFIED WORLDWIDE (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----		
WORLDWIDE UNSPECIFIED		
NATO INFRASTRUCTURE		
DEFENSE LEVEL ACTIVITIES	240,000	
NATO INFRASTRUCTURE		240,000
BASE REALIGNMENT & CLOSURE PART I		
DEFENSE LEVEL ACTIVITIES	92,870	
BASE REALIGNMENT & CLOSURE PART I		92,870
BASE REALIGNMENT & CLOSURE PART II		
DEFENSE LEVEL ACTIVITIES	1,800,500	
BASE REALIGNMENT & CLOSURE PART II *		1,800,500
CONTINGENCY CONSTRUCTION		
DEFENSE LEVEL ACTIVITIES	12,200	
CONTINGENCY CONSTRUCTION		12,200
UNSPECIFIED MINOR CONSTRUCTION		
ARMY	12,000	
NAVY	5,500	
AIR FORCE	6,844	
ON-SITE INSPECTION AGENCY	812	
SPECIAL OPERATIONS COMMAND	2,922	
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	2,192	
DEFENSE LEVEL ACTIVITIES	2,000	
JOINT CHIEFS OF STAFF	5,975	
DOD DEPENDENT SCHOOLS	4,000	
DEFENSE MEDICAL SUPPORT ACTIVITY	3,757	
ARMY NATIONAL GUARD	5,000	
AIR NATIONAL GUARD	4,000	
ARMY RESERVE	2,100	
NAVY RESERVE	1,042	
AIR FORCE RESERVE	3,904	
UNSPECIFIED MINOR CONSTRUCTION		62,048
PLANNING AND DESIGN		
ARMY	84,441	
NAVY	64,373	
AIR FORCE	63,180	
SPECIAL OPERATIONS COMMAND	5,700	
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	535	
DEFENSE LEVEL ACTIVITIES	10,305	
DEFENSE MEDICAL SUPPORT ACTIVITY	25,865	
ARMY NATIONAL GUARD	522	
AIR NATIONAL GUARD	9,900	
ARMY RESERVE	4,897	
NAVY RESERVE	1,359	
AIR FORCE RESERVE	3,400	
PLANNING AND DESIGN		274,477
ENERGY CONSERVATION IMPROVEMENT PROGRAM		
DEFENSE LEVEL ACTIVITIES	50,000	
ENERGY CONSERVATION IMPROVEMENT PROGRAM		50,000
ARMY - HOST NATION SUPPORT		
ARMY	25,000	
ARMY - HOST NATION SUPPORT		25,000
WORLDWIDE UNSPECIFIED		2,557,095
WORLDWIDE VARIOUS		
NAVY		
LAND ACQUISITION-WORLDWIDE VARIOUS		
LAND ACQUISITION	1,340	
LAND ACQUISITION-WORLDWIDE VARIOUS		1,340

*Excludes the \$1.2 billion estimated to be required in FY 1994 to implement the 1993 Base Closure Commission's recommendations.

FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES UNSPECIFIED WORLDWIDE (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME-----	PROJ COST	TOTAL
WORLDWIDE VARIOUS			
NAVY			
VARIOUS LOCATIONS-WORLDWIDE VARIOUS			
HQST NATION INFRASTRUCTURE SUPPORT		2,960	
VARIOUS LOCATIONS-WORLDWIDE VARIOUS			2,960

NAVY			4,300
ARMY NATIONAL GUARD			
UNSPECIFIED LOCATIONS-WORLDWIDE VARIOUS			
INDOOR RANGE MODERNIZATION		637	
UNSPECIFIED LOCATIONS-WORLDWIDE VARIOUS			637
VARIOUS LOCATIONS-WORLDWIDE VARIOUS			
ARMORY UNIT STORAGE BUILDINGS		750	
VARIOUS LOCATIONS-WORLDWIDE VARIOUS			750

ARMY NATIONAL GUARD			1,387

WORLDWIDE VARIOUS			5,687

TOTALS			

ARMY			135,347
NAVY			76,574
AIR FORCE			91,228
DEFENSEWIDE			2,259,633

UNSPECIFIED WORLDWIDE			2,562,782

FY 1994 FAMILY HOUSING TCTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
ARMY			
NEW CONSTRUCTION			
CALIFORNIA			
FORT IRWIN			
	NEW CONSTRUCTION (220)	25,000	
	FORT IRWIN		25,000
HAWAII			
SCHOFIELD BARRACKS			
	NEW CONST(125)(18.0M) + REPL(135)(21.0M)	39,000	
	NEW CONSTRUCTION (88)	13,000	
	SCHOFIELD BARRACKS		52,000
MARYLAND			
FORT MEADE			
	REPLACEMENT CONSTRUCTION (275)	26,000	
	FORT MEADE		26,000
NEW YORK			
U S MILITARY ACADEMY			
	REPLACEMENT CONSTRUCTION (100)	15,000	
	U S MILITARY ACADEMY		15,000
NORTH CAROLINA			
FORT BRAGG			
	REPLACEMENT CONSTRUCTION (224)	18,000	
	FORT BRAGG		18,000
WISCONSIN			
FORT MCCOY			
	REPLACEMENT CONSTRUCTION (16)	2,950	
	FORT MCCOY		2,950
NEW CONSTRUCTION			138,950
CONSTRUCTION IMPROVEMENTS			67,530
PLANNING			11,805
TOTAL FAMILY HOUSING, ARMY CONSTRUCTION			218,285
OPERATING EXPENSES			
	FURNISHINGS ACCOUNT	41,707	
	MANAGEMENT ACCOUNT	81,163	
	MISCELLANEOUS ACCOUNT	1,840	
	SERVICES ACCOUNT	62,447	
	UTILITIES ACCOUNT	281,348	
	OPERATING EXPENSES		468,505
LEASING			268,139
MAINTENANCE OF REAL PROPERTY			388,528
TOTAL FAMILY HOUSING, ARMY OPERATIONS			1,125,172
INTEREST PAYMENTS			17
TOTAL FAMILY HOUSING, ARMY DEBT			17
GRAND TOTAL FAMILY HOUSING, ARMY			1,343,474
NAVY			
NEW CONSTRUCTION			
CALIFORNIA			
PUBLIC WORKS CENTER SAN DIEGO			
	NEW CONSTRUCTION (318 HOMES)	36,571	
	PUBLIC WORKS CENTER SAN DIEGO		36,571

FY 1994 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
NAVY			
NEW CONSTRUCTION			
DISTRICT OF COLUMBIA			
	PUBLIC WORKS CENTER WASHINGTON DC		
	NEW CONSTRUCTION (188 HOMES)	21,556	
	PUBLIC WORKS CENTER WASHINGTON DC		21,556
FLORIDA			
PUBLIC WORKS CENTER PENSACOLA			
	NEW CONSTRUCTION (SELF HELP/WAREHOUSE)	300	
	PUBLIC WORKS CENTER PENSACOLA		300
GEORGIA			
NAVAL SUBMARINE SUPPORT BASE KINGS BAY			
	NEW CONSTRUCTION (CM4 CNTR/SELF HLP/HSE)	790	
	NAVAL SUBMARINE SUPPORT BASE KINGS BAY		790
MAINE			
NAS BRUNSWICK			
	NEW CONSTRUCTION (MOBILE HOME SPACES)	490	
	NAS BRUNSWICK		490
VIRGINIA			
NAVAL AIR STATION OCEANA			
	NEW CONSTRUCTION (COMMUNITY CENTER)	860	
	NAVAL AIR STATION OCEANA		860
NAVAL COMPLEX NORFOLK			
	NEW CONSTRUCTION (392 HOMES)	50,674	
	NAVAL COMPLEX NORFOLK		50,674
	VIRGINIA		51,534
WASHINGTON			
NAVAL SUBMARINE BASE BANGOR			
	NEW CONSTRUCTION (290 HOMES)	27,438	
	NAVAL SUBMARINE BASE BANGOR		27,438
SCOTLAND			
NAVAL SECURITY GROUP ACTIVITY EDZELL			
	NEW CONSTRUCTION (40 HOMES)	6,000	
	NAVAL SECURITY GROUP ACTIVITY EDZELL		6,000
UNITED KINGDOM			
NAVAL ACTIVITIES LONDON			
	NEW CONSTRUCTION (81 HOMES)	15,470	
	NAVAL ACTIVITIES LONDON		15,470
			<hr/>
NEW CONSTRUCTION			160,149
CONSTRUCTION IMPROVEMENTS			190,696
PLANNING			22,924
			<hr/>
TOTAL FAMILY HOUSING, NAVY	CONSTRUCTION		373,769
OPERATING EXPENSES			
	FURNISHINGS ACCOUNT	36,904	
	MANAGEMENT ACCOUNT	87,769	
	MISCELLANEOUS ACCOUNT	1,133	
	SERVICES ACCOUNT	45,347	
	UTILITIES ACCOUNT	194,952	
	OPERATING EXPENSES		366,105
LEASING			113,308
MAINTENANCE OF REAL PROPERTY			355,554
			<hr/>
TOTAL FAMILY HOUSING, NAVY	OPERATIONS		834,967

FY 1994 FAMILY HCUSING TCTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(S THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
NAVY			
	MORTGAGE INSURANCE PREMIUMS	88	88
	TOTAL FAMILY HOUSING, NAVY		88
	DEBT		88
	GRAND TOTAL FAMILY HOUSING, NAVY		1,208,824
AIR FORCE			
NEW CONSTRUCTION			
ALABAMA			
	MAXWELL AFB		
	FAMILY HOUSING (55 UNITS)	4,080	
	MAXWELL AFB		4,080
ARKANSAS			
	LITTLE ROCK AFB		
	HOUSING OFFICE AND MAINTENANCE FACILITY	980	
	LITTLE ROCK AFB		980
CALIFORNIA			
	VANDENBERG AFB		
	FAMILY HOUSING (166 UNITS)	21,907	
	VANDENBERG AFB		21,907
FLORIDA			
	PATRICK AFB		
	FAMILY HOUSING (155 UNITS)	15,388	
	PATRICK AFB		15,388
TYNDALL AFB			
	INFRASTRUCTURE	5,732	
	TYNDALL AFB		5,732
	FLORIDA		21,120
GEORGIA			
	ROBINS AFB		
	FAMILY HOUSING (118 UNITS)	7,424	
	ROBINS AFB		7,424
LOUISIANA			
	BARKSDALE AFB		
	FAMILY HOUSING (117 UNITS)	8,578	
	BARKSDALE AFB		8,578
MASSACHUSETTS			
	HANSCOM AFB		
	FAMILY HOUSING (46 UNITS)	5,135	
	HANSCOM AFB		5,135
MONTANA			
	MALMSTROM AFB		
	HOUSING OFFICE	581	
	MALMSTROM AFB		581
TEXAS			
	DYESS AFB		
	HOUSING MAINTENANCE FACILITY	281	
	DYESS AFB		281
LACKLAND AFB			
	FAMILY HOUSING (111 UNITS)	8,770	
	LACKLAND AFB		8,770
	TEXAS		9,051
VIRGINIA			
	LANGLEY AFB		
	HOUSING OFFICE	452	
	LANGLEY AFB		452

FY 1994 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

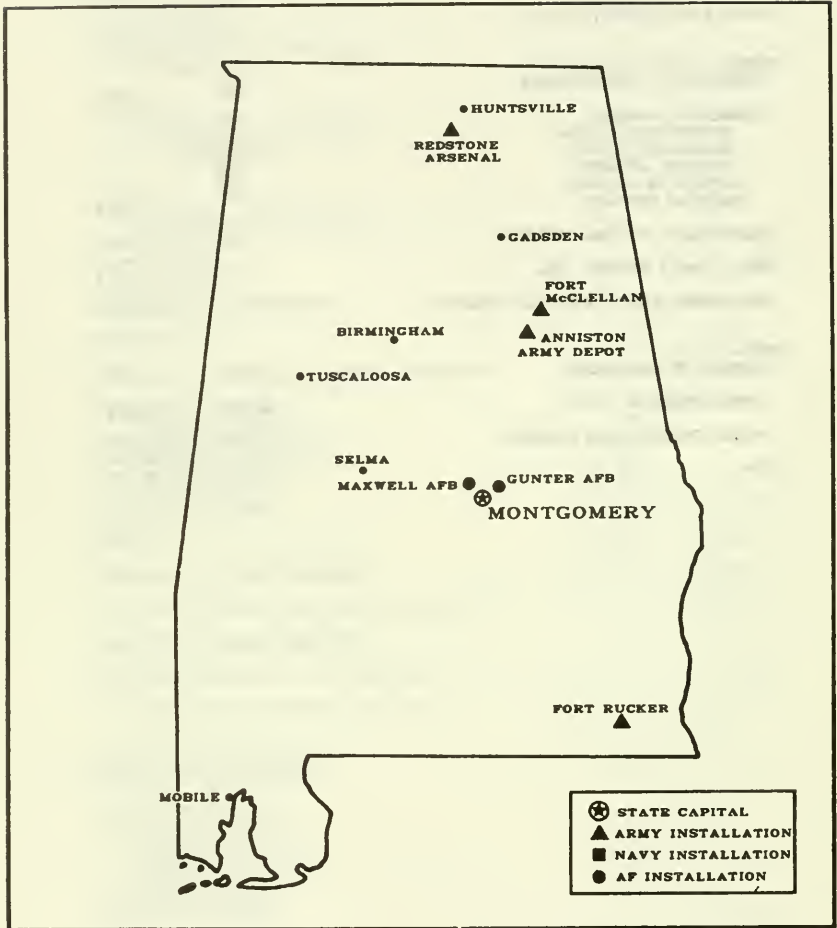
(\$ THOUSANDS)			
STATE/COMP./INSTALLATION		PROJ COST	TOTAL
-----PROJECT NAME-----			
AIR FORCE			
NEW CONSTRUCTION			
WASHINGTON			
FAIRCHILD AFB			
FAMILY HOUSING (1 UNIT)		184	
FAIRCHILD AFB			184
WYOMING			
F E WARREN AFB			
FAMILY HOUSING (107 UNITS)		10,572	
F E WARREN AFB			10,572
ITALY			
COMISO AB			
FAMILY HOUSING (460 UNITS)		20,200	
COMISO AB			20,200
NEW CONSTRUCTION			110,264
CONSTRUCTION IMPROVEMENTS			53,070
PLANNING			9,901
TOTAL FAMILY HOUSING, AIR FORCE CONSTRUCTION			173,235
OPERATING EXPENSES			
FURNISHINGS ACCOUNT		43,543	
MANAGEMENT ACCOUNT		44,282	
MISCELLANEOUS ACCOUNT		4,639	
SERVICES ACCOUNT		28,183	
UTILITIES ACCOUNT		211,036	
OPERATING EXPENSES			331,683
LEASING			118,266
MAINTENANCE OF REAL PROPERTY			403,942
TOTAL FAMILY HOUSING, AIR FORCE OPERATIONS			853,891
MORTGAGE INSURANCE PREMIUMS			21
TOTAL FAMILY HOUSING, AIR FORCE DEBT			21
GRAND TOTAL FAMILY HOUSING, AIR FORCE			1,027,147
NATIONAL SECURITY AGENCY			
CONSTRUCTION IMPROVEMENTS			
		50	50
OPERATING EXPENSES			
FURNISHINGS ACCOUNT		71	
MANAGEMENT ACCOUNT		62	
MISCELLANEOUS ACCOUNT		26	
SERVICES ACCOUNT		366	
UTILITIES ACCOUNT		432	
OPERATING EXPENSES			957
LEASING			10,414
MAINTENANCE OF REAL PROPERTY			228
TOTAL FAMILY HOUSING, NSA			11,649
DEF INTELLIGENCE AGENCY			
OPERATING EXPENSES			
FURNISHINGS ACCOUNT		1,865	
OPERATING EXPENSES			1,865

FY 1994 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----		-----
DEF INTELLIGENCE AGENCY LEASING	12,468	12,468
TOTAL FAMILY HOUSING, DIA		14,333
DEFENSE LOGISTICS AGENCY CONSTRUCTION IMPROVEMENTS	109	109
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	41	
MANAGEMENT ACCOUNT	158	
SERVICES ACCOUNT	50	
UTILITIES ACCOUNT	466	
OPERATING EXPENSES		715
MAINTENANCE OF REAL PROPERTY	690	690
TOTAL FAMILY HOUSING, DLA		1,514
GRAND TOTAL FAMILY HOUSING, DEFENSE		27,496
ARMY		
PAYMENT TO HOMEOWNERS	5,755	5,755
OTHER OPERATING COSTS	24,604	24,604
ACQUISITION OF REAL PROPERTY	127,393	127,393
ARMY		157,752

MAP NO. 1

ALABAMA



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MAP NO. 2

ALASKA



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MAP NO. 3

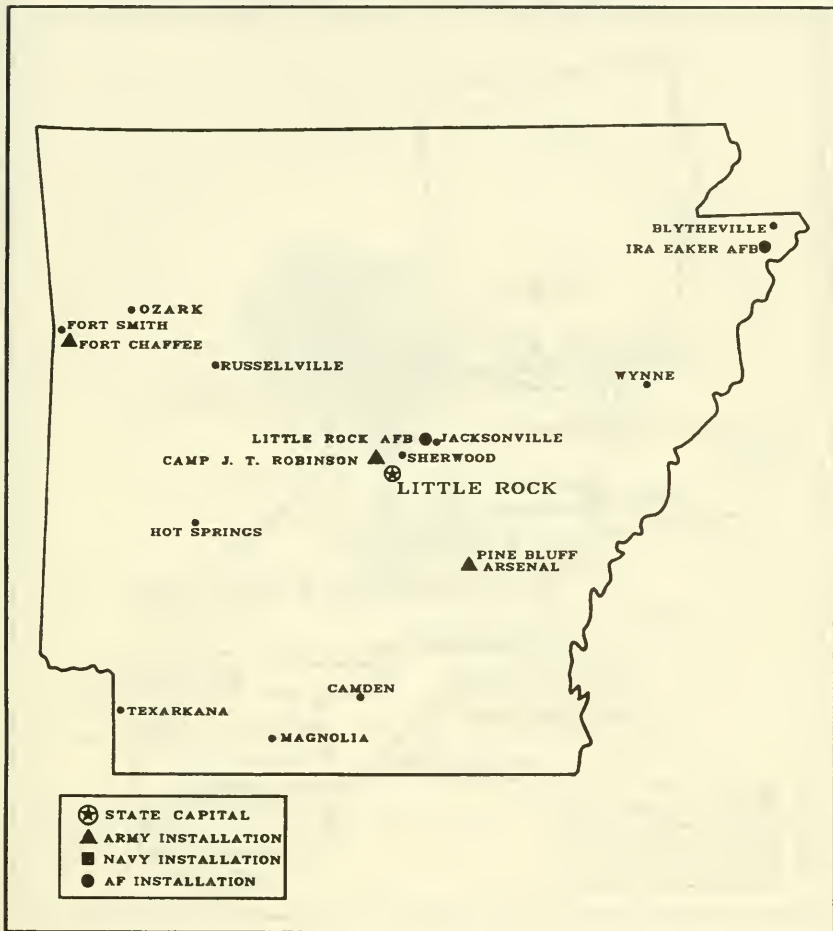
ARIZONA



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MAP NO. 4

ARKANSAS



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MAP NO. 5

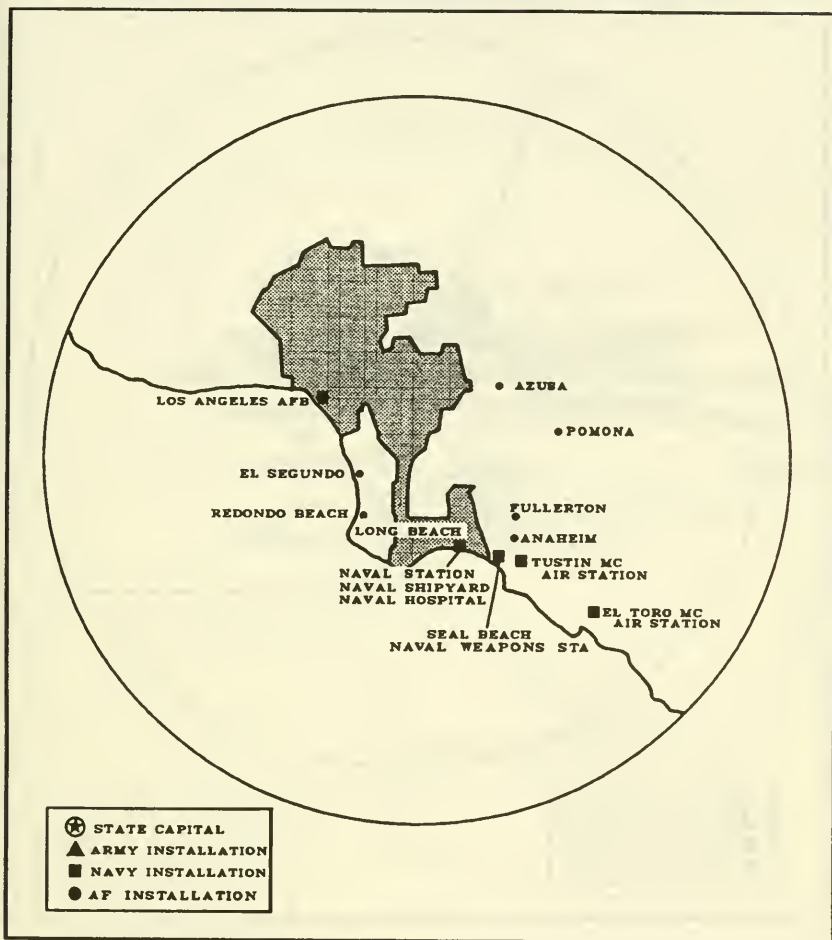
CALIFORNIA



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MAP NO. 5a

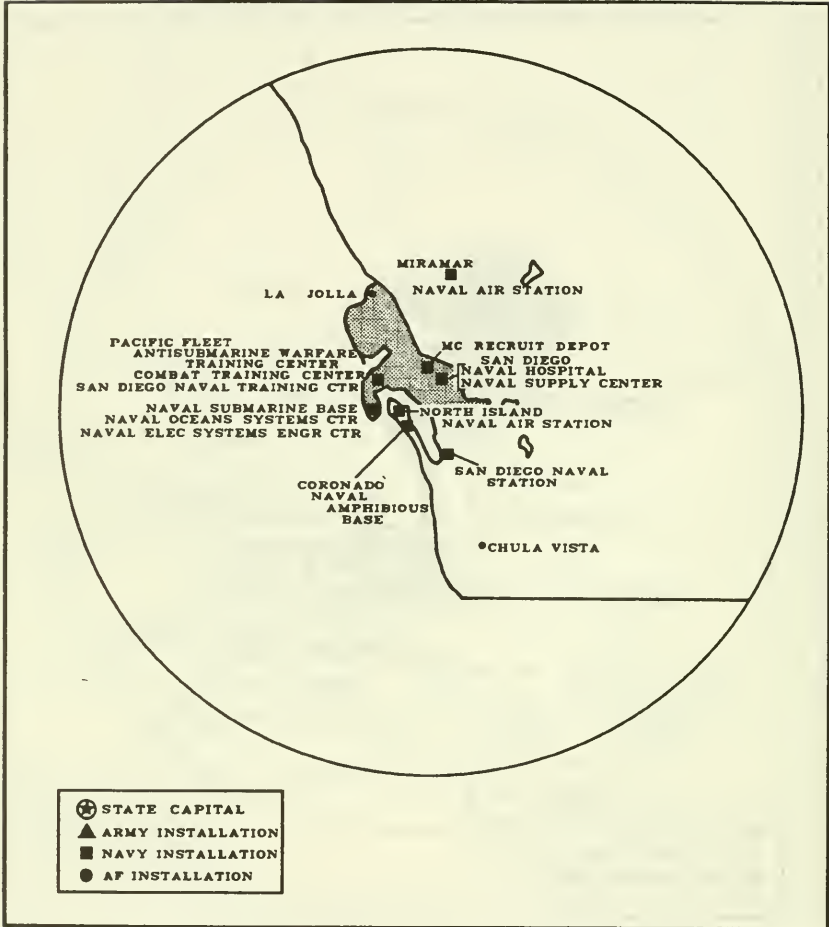
LOS ANGELES AREA



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MAP NO. 5b

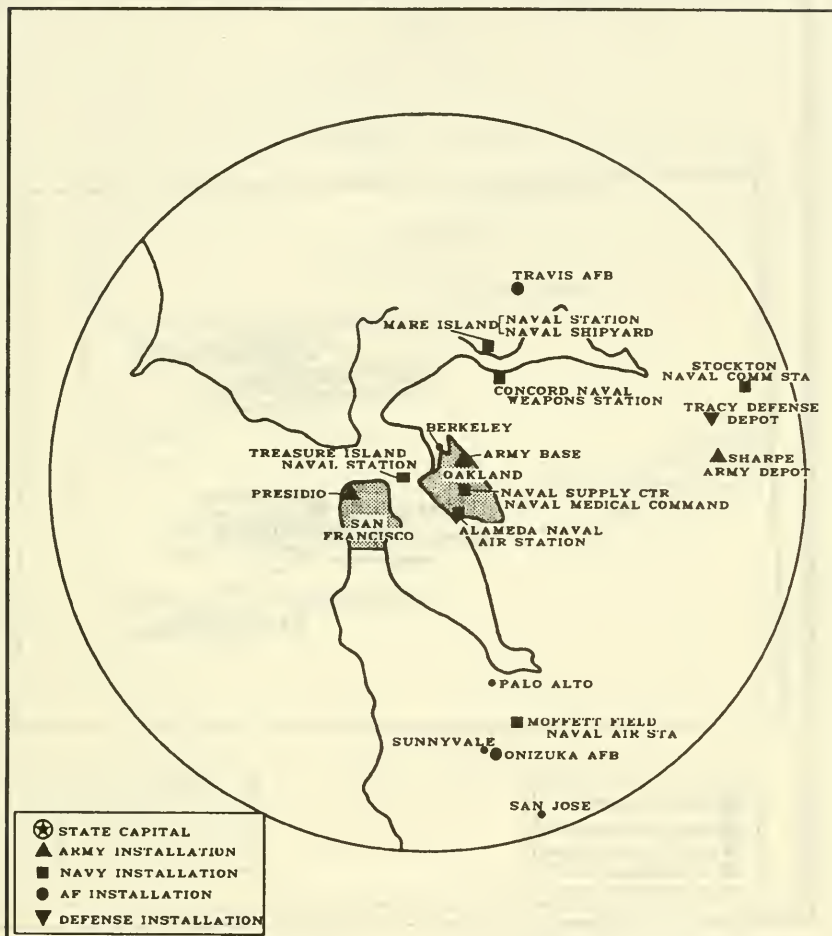
SAN DIEGO AREA



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MAP NO. 5c

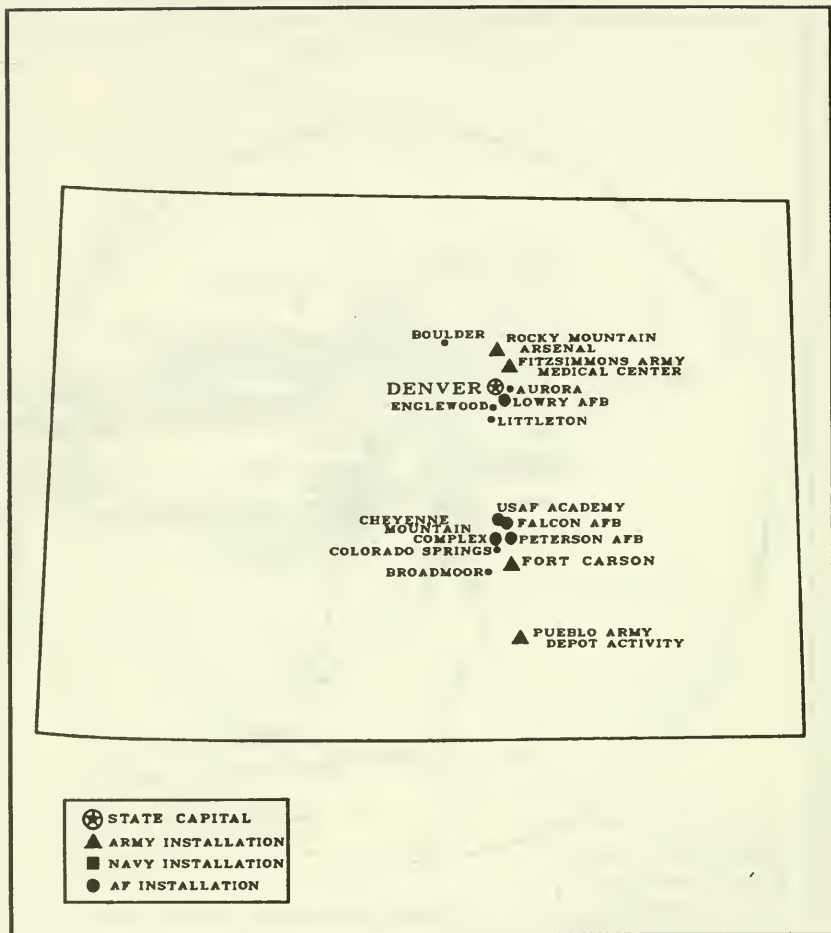
SAN FRANCISCO AREA



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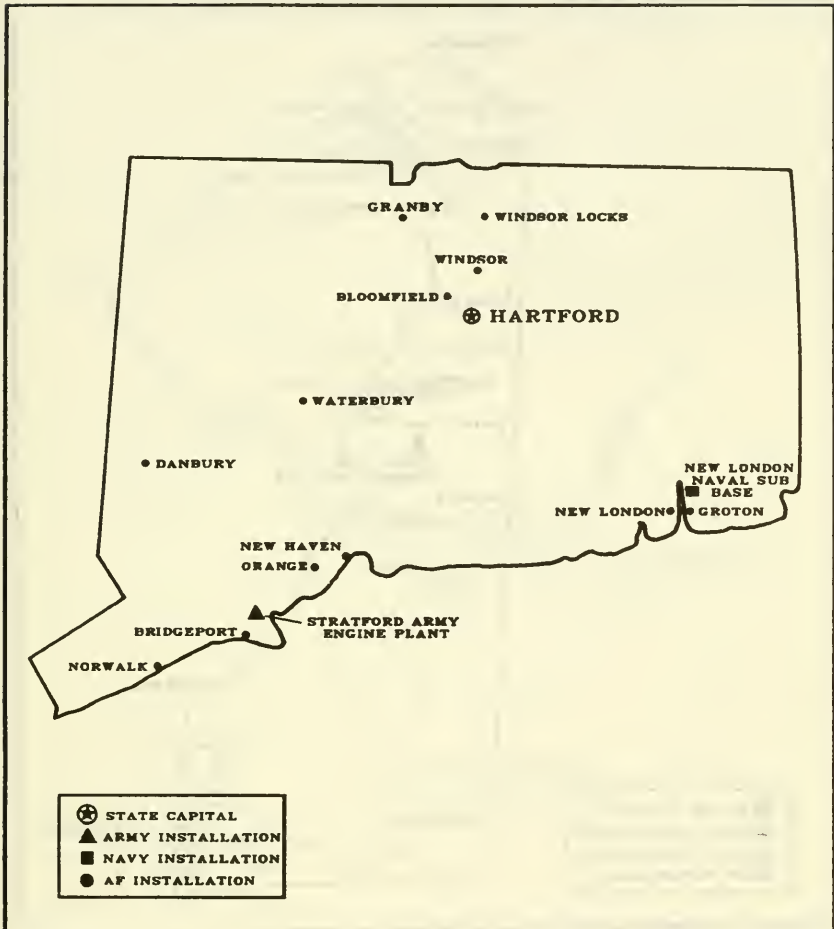
COLORADO



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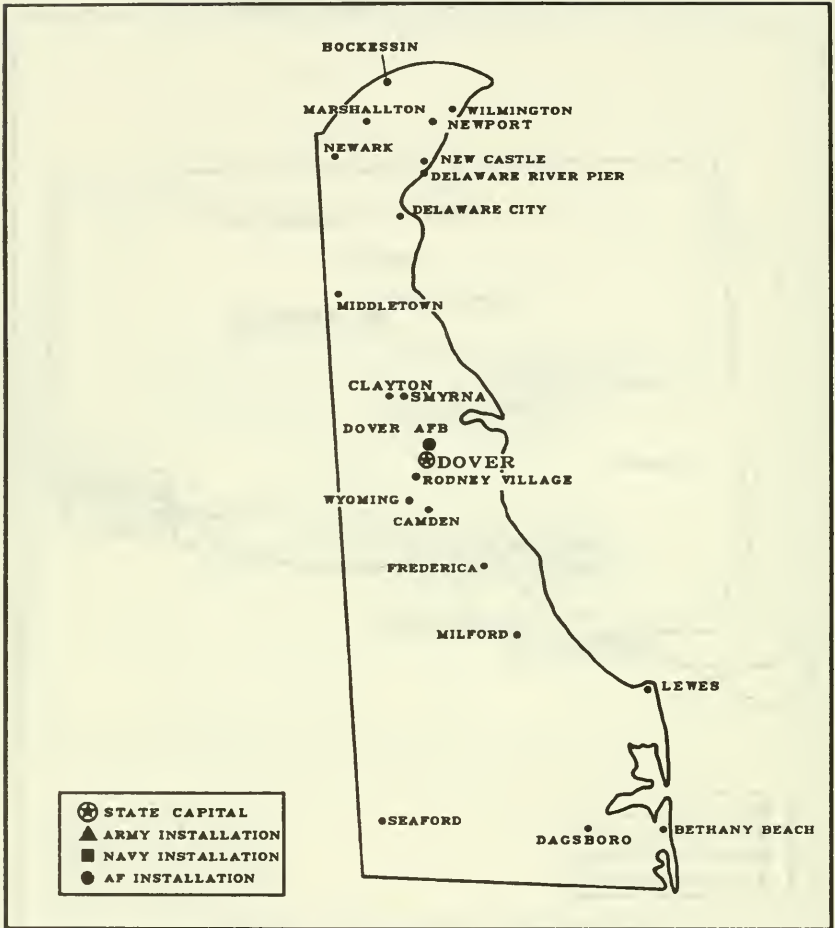
CONNECTICUT



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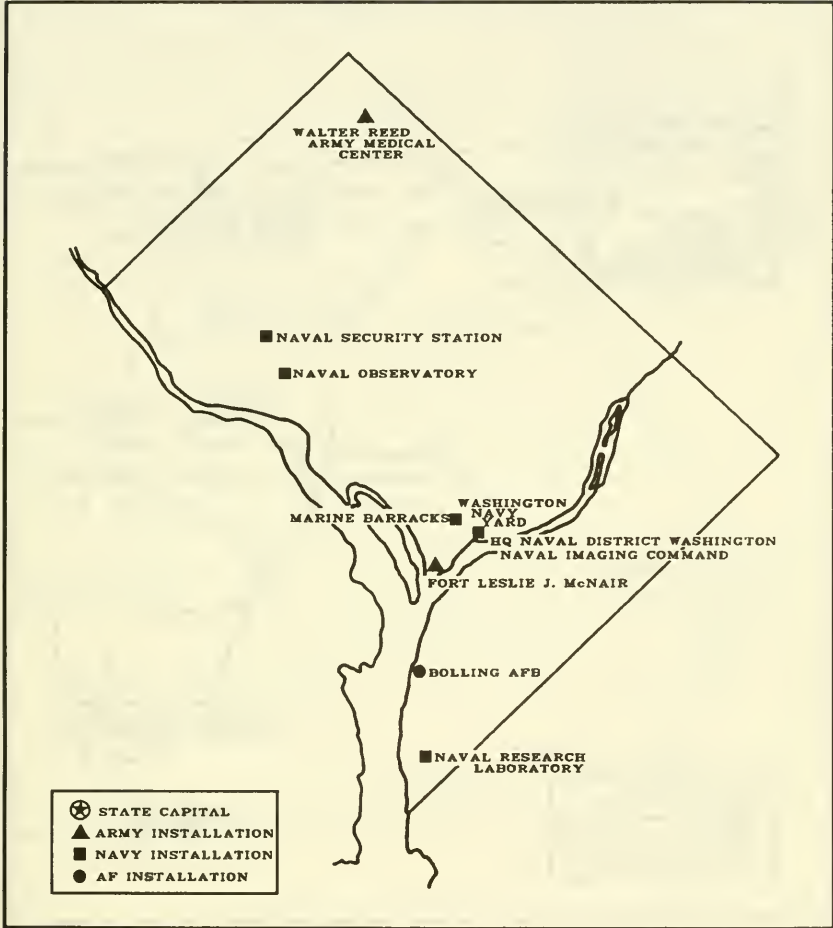
DELAWARE



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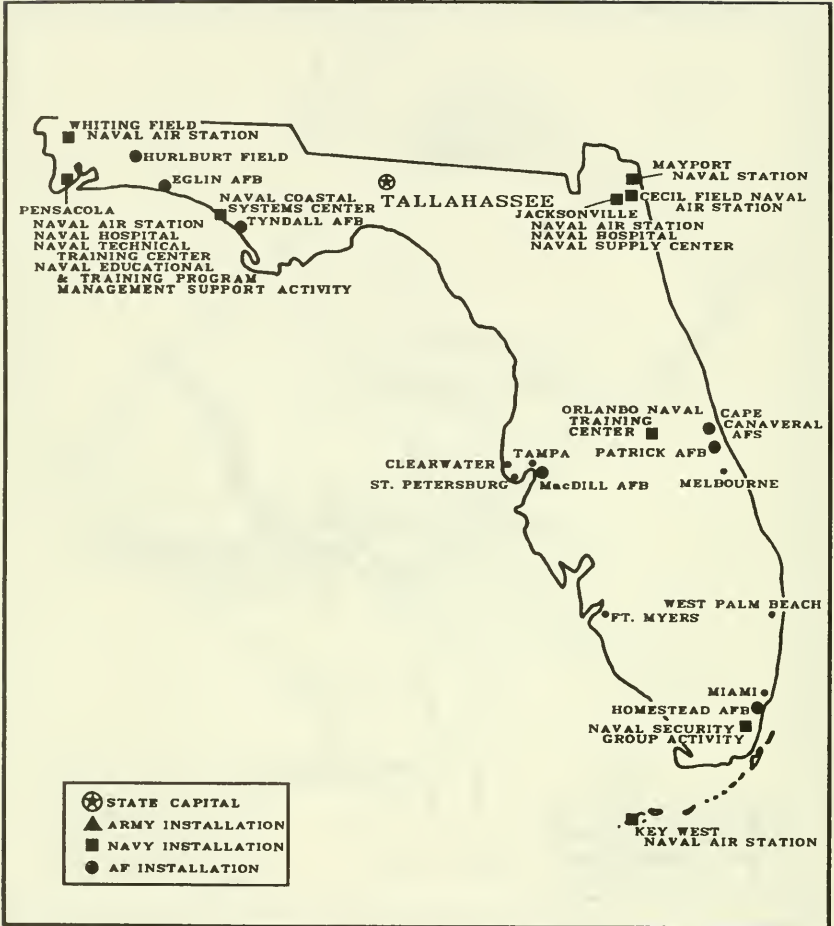
DISTRICT OF COLUMBIA



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MAP NO. 10

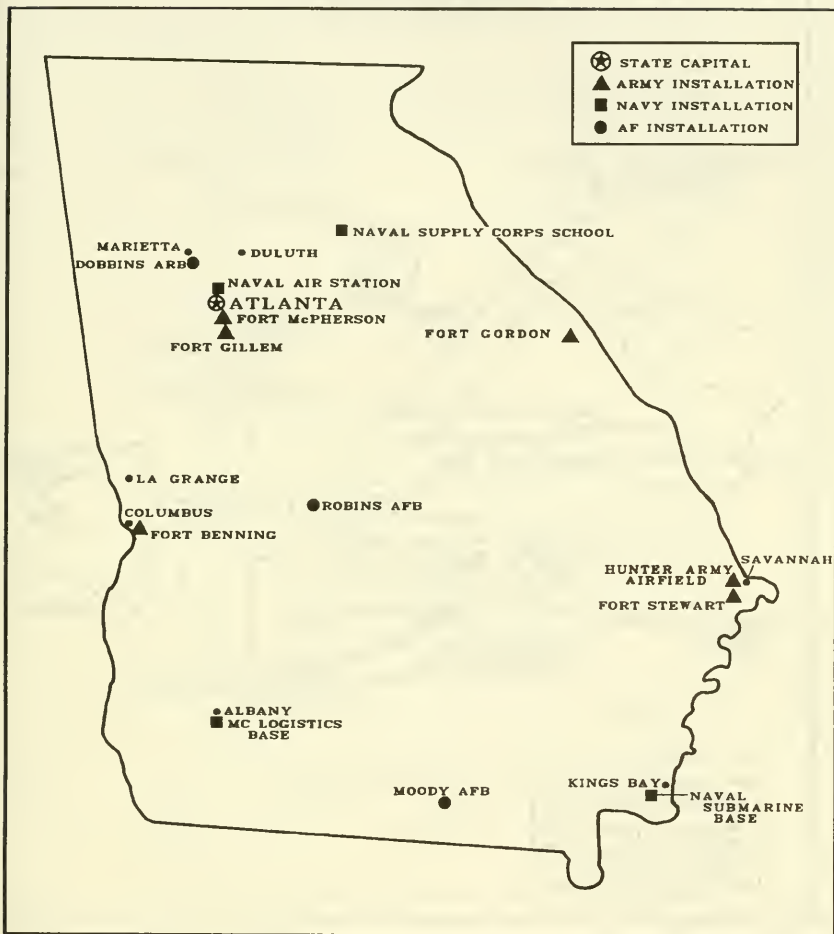
FLORIDA



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MAP NO. 11

GEORGIA



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MAP NO. 12

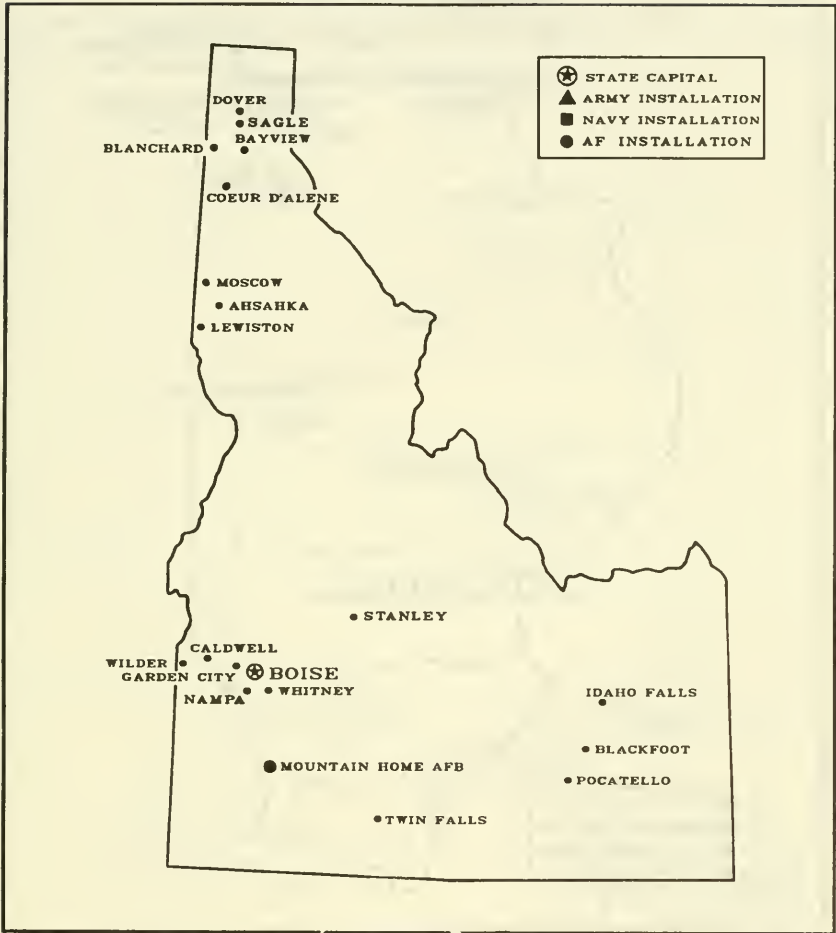
HAWAII



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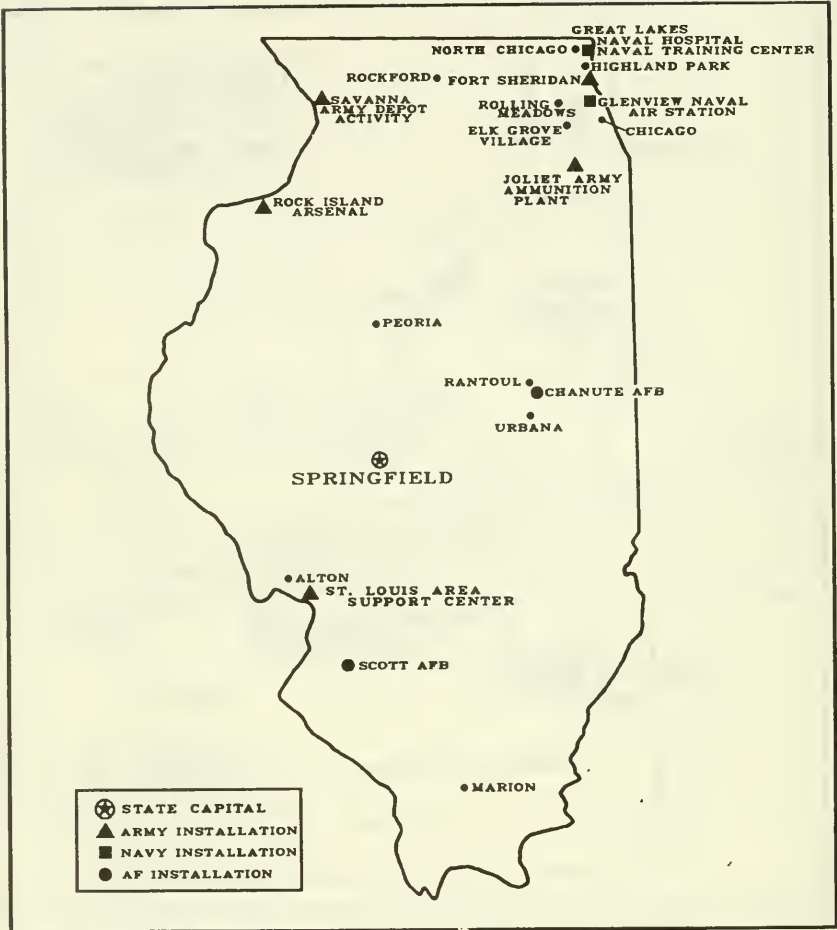
IDAHO



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ILLINOIS



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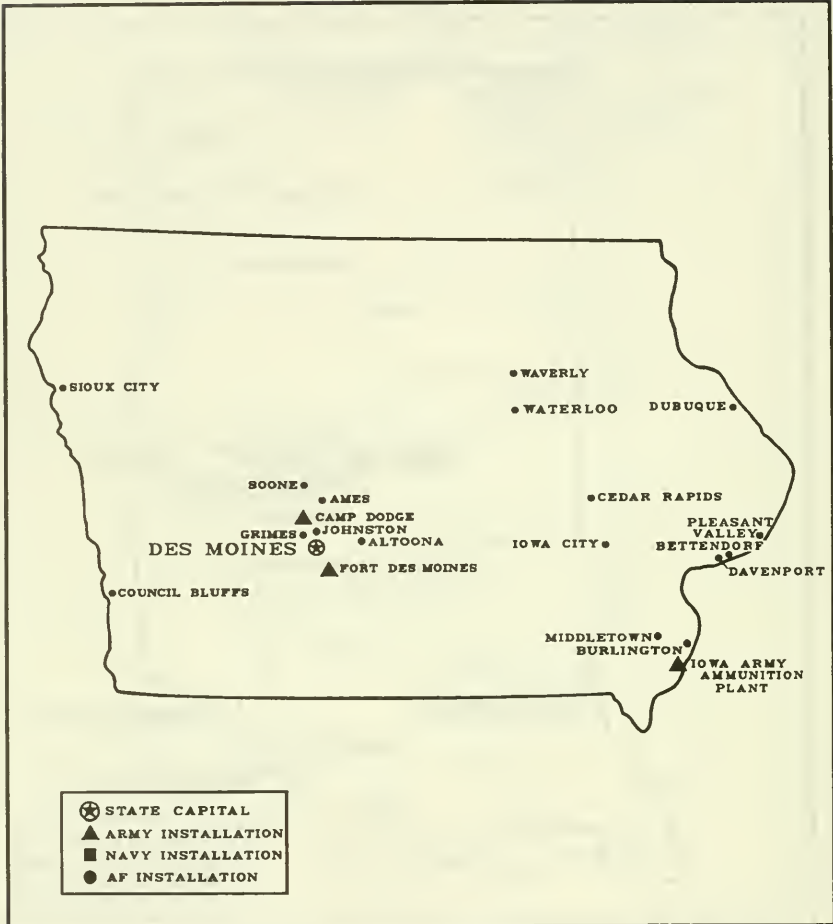
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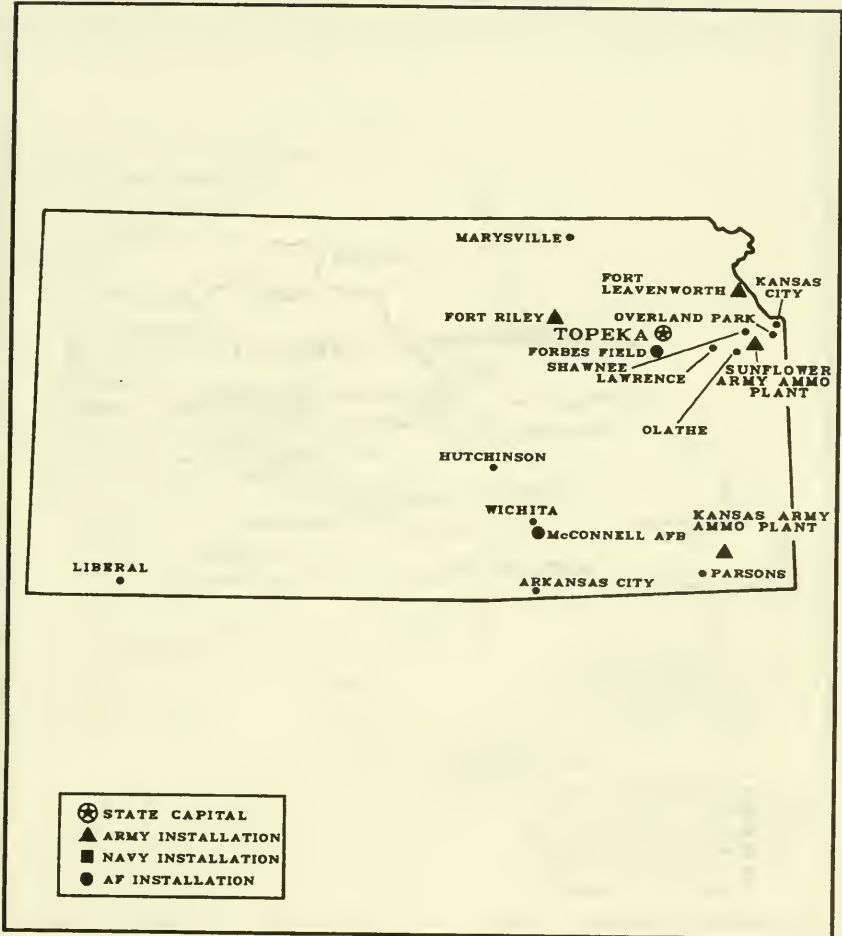
IOWA



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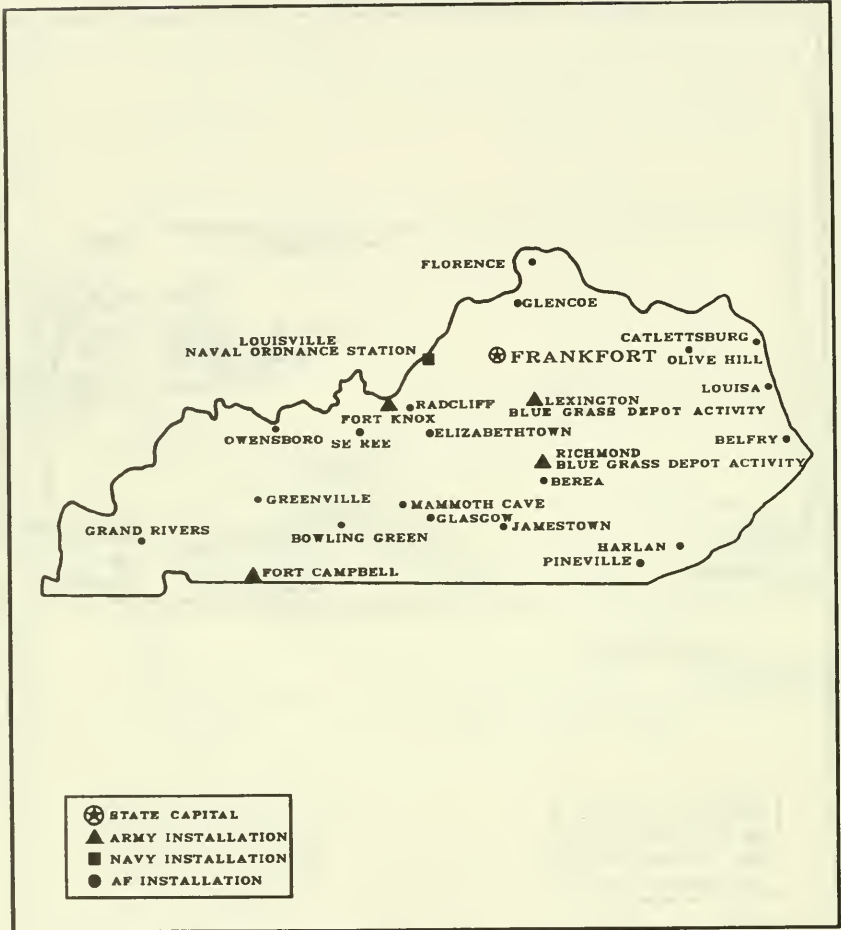
KANSAS



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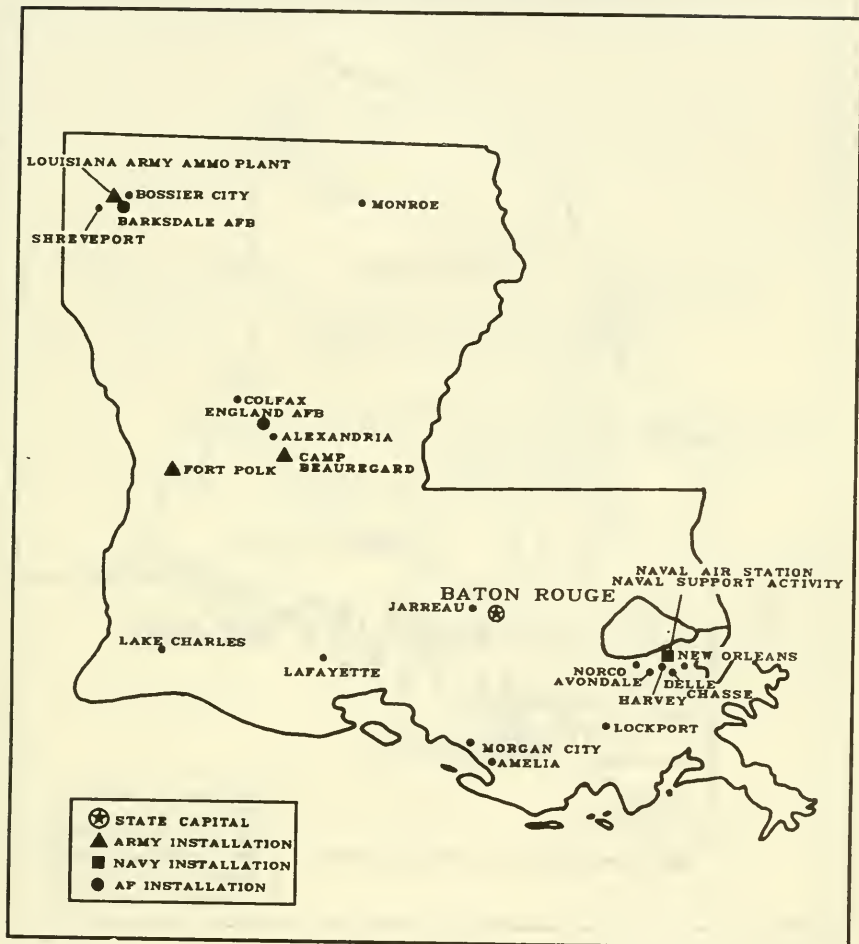
KENTUCKY



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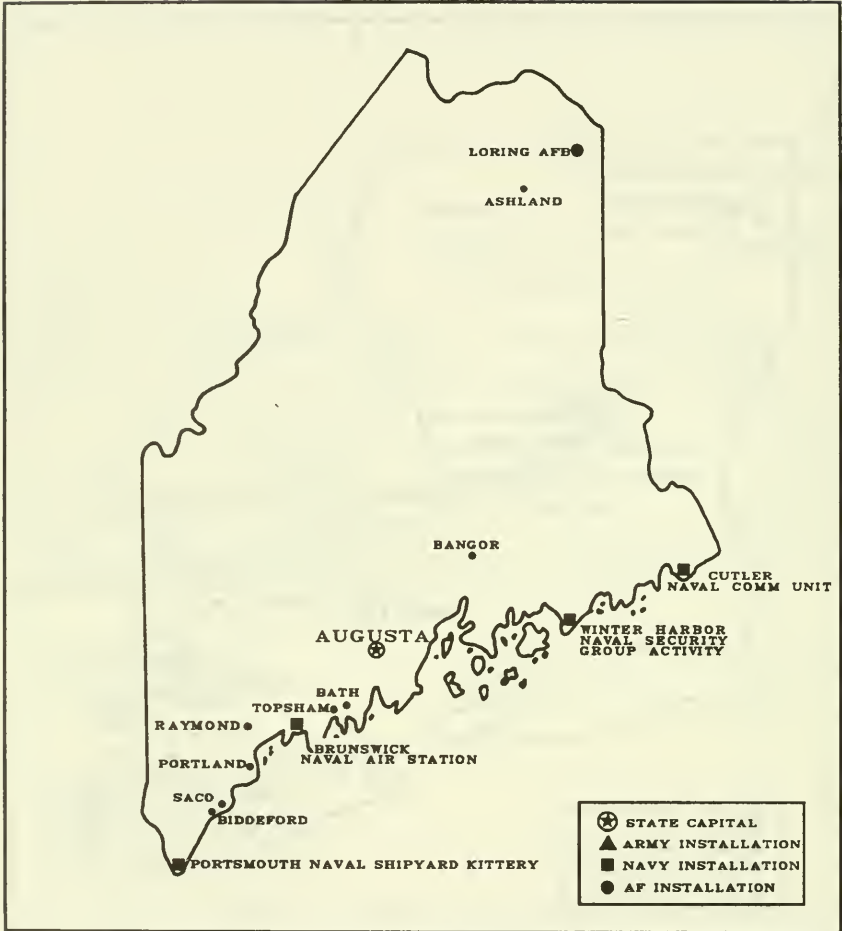
LOUISIANA



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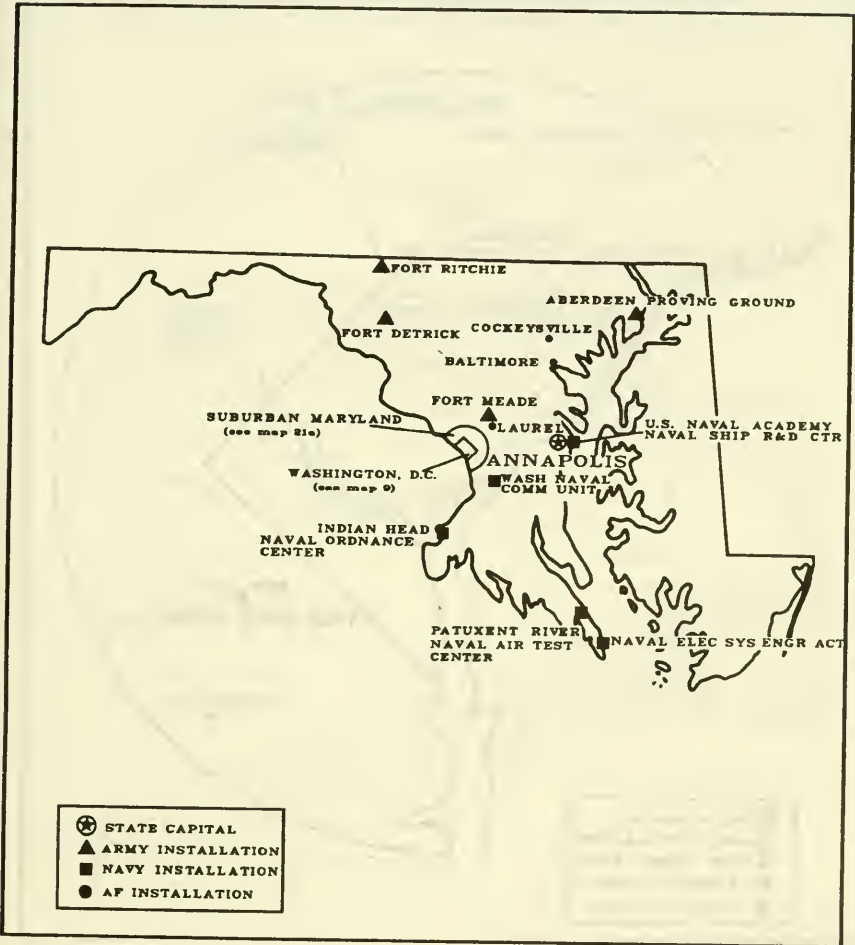
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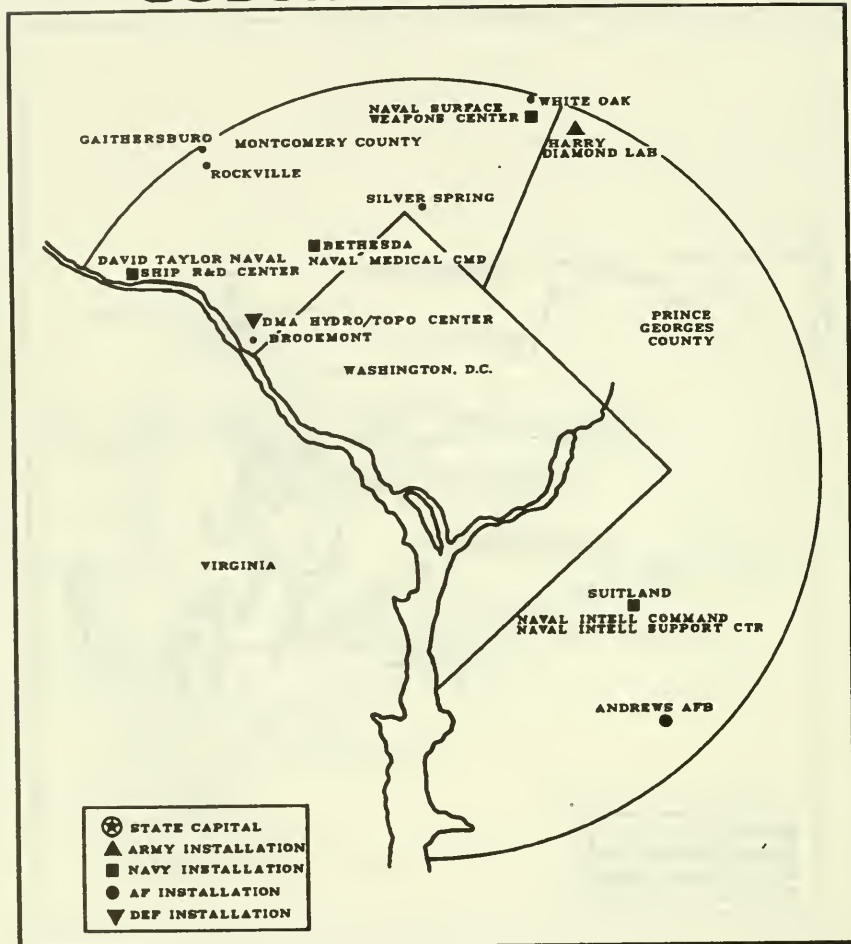
MARYLAND



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MAP NO. 21a

SUBURBAN MARYLAND



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MASSACHUSETTS



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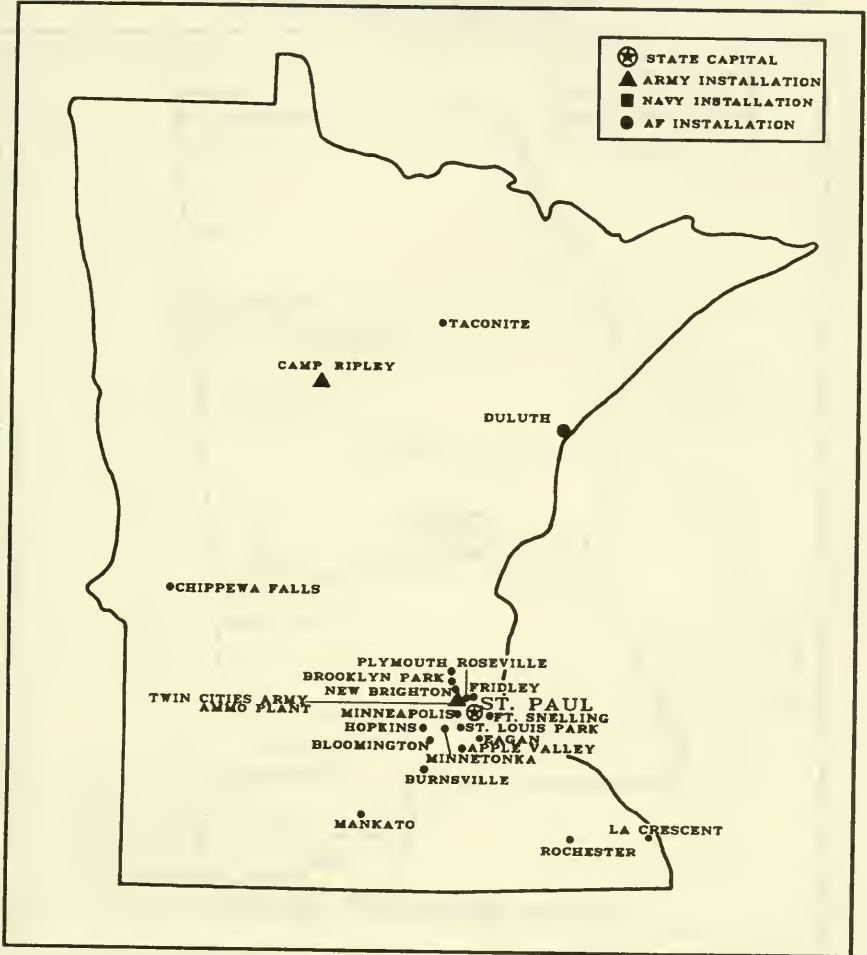
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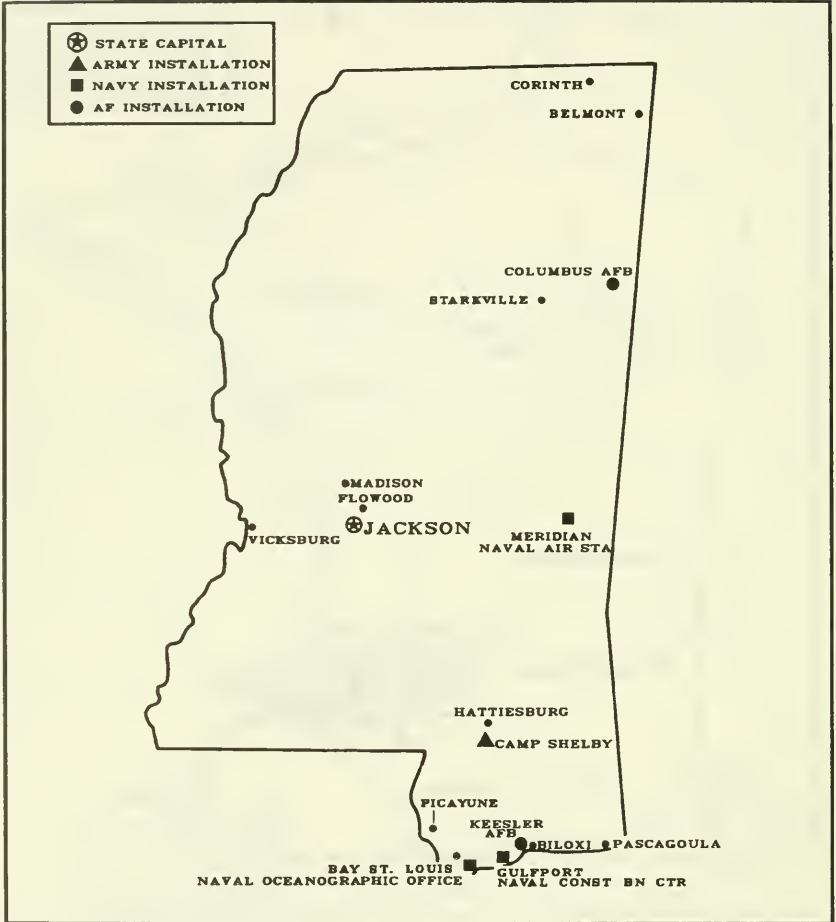
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MINNESOTA



MAP NO. 25

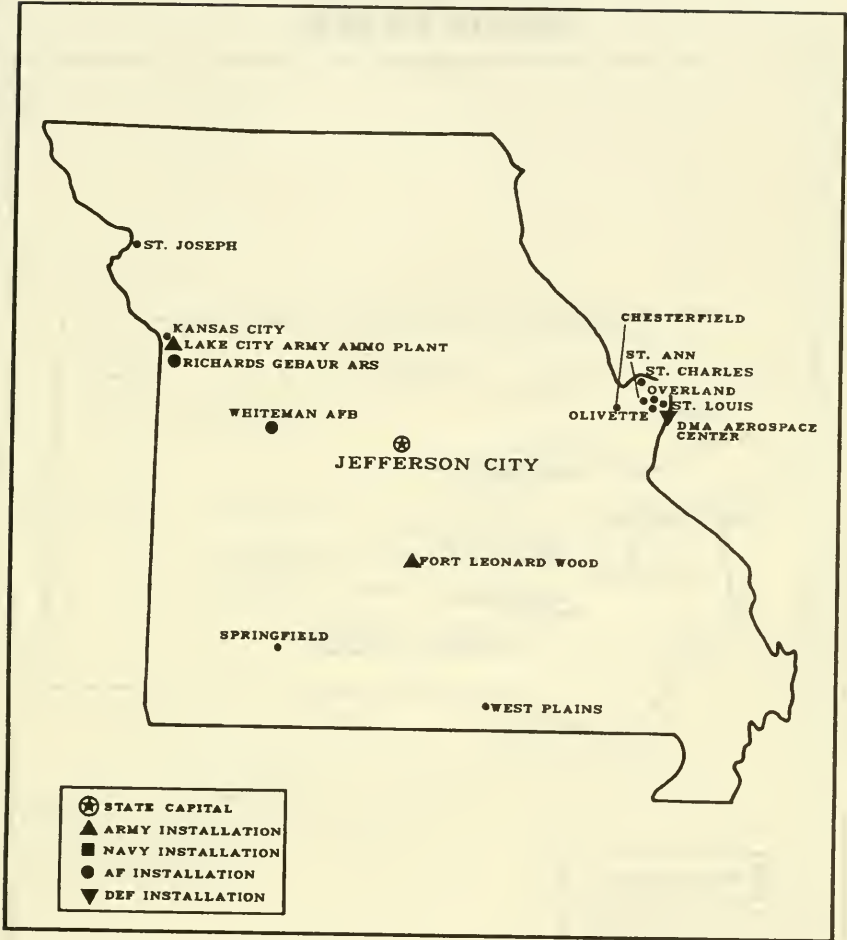
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MAP NO. 26

MISSOURI



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MAP NO. 27

MONTANA



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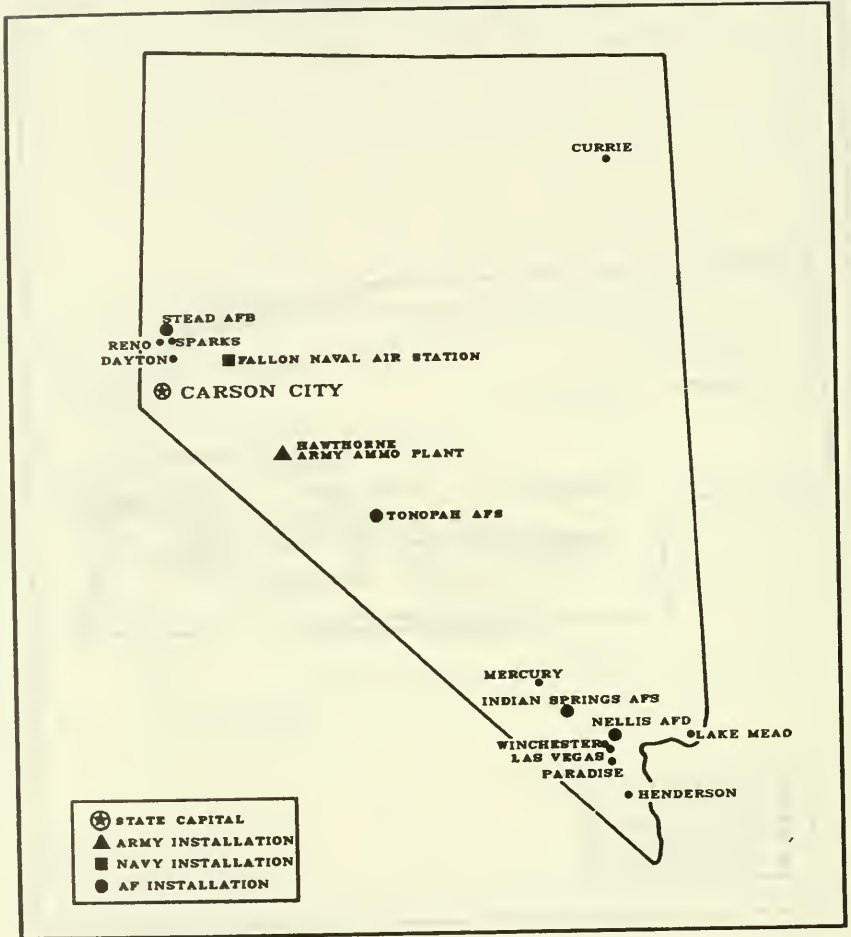
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NEVADA



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NEW HAMPSHIRE



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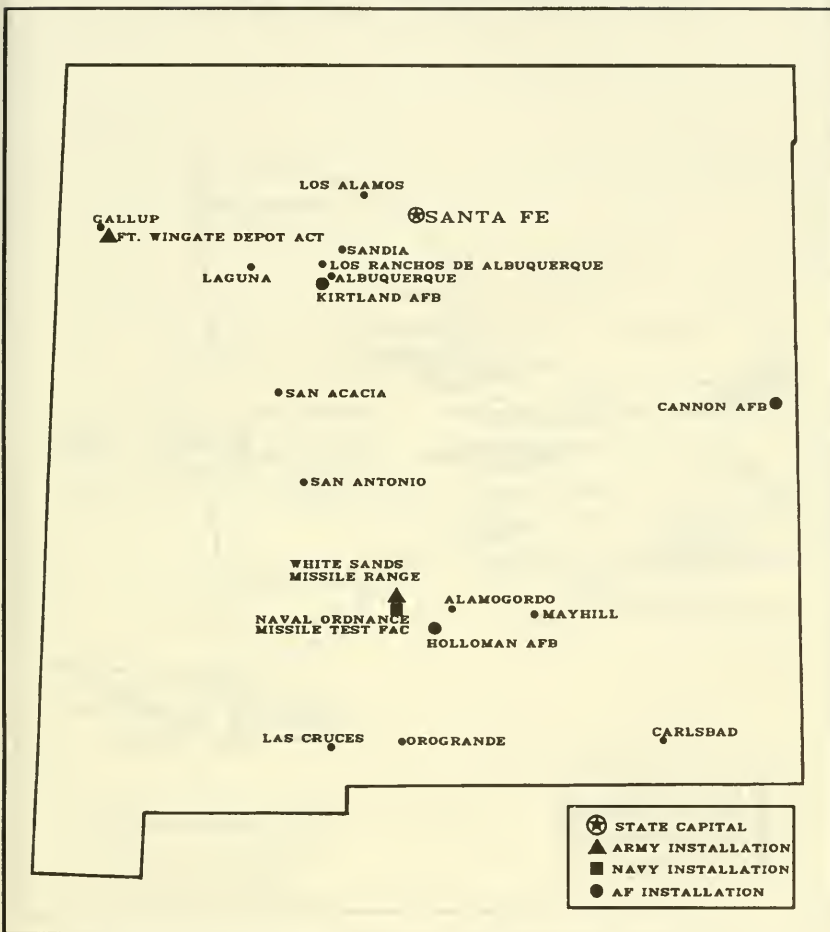
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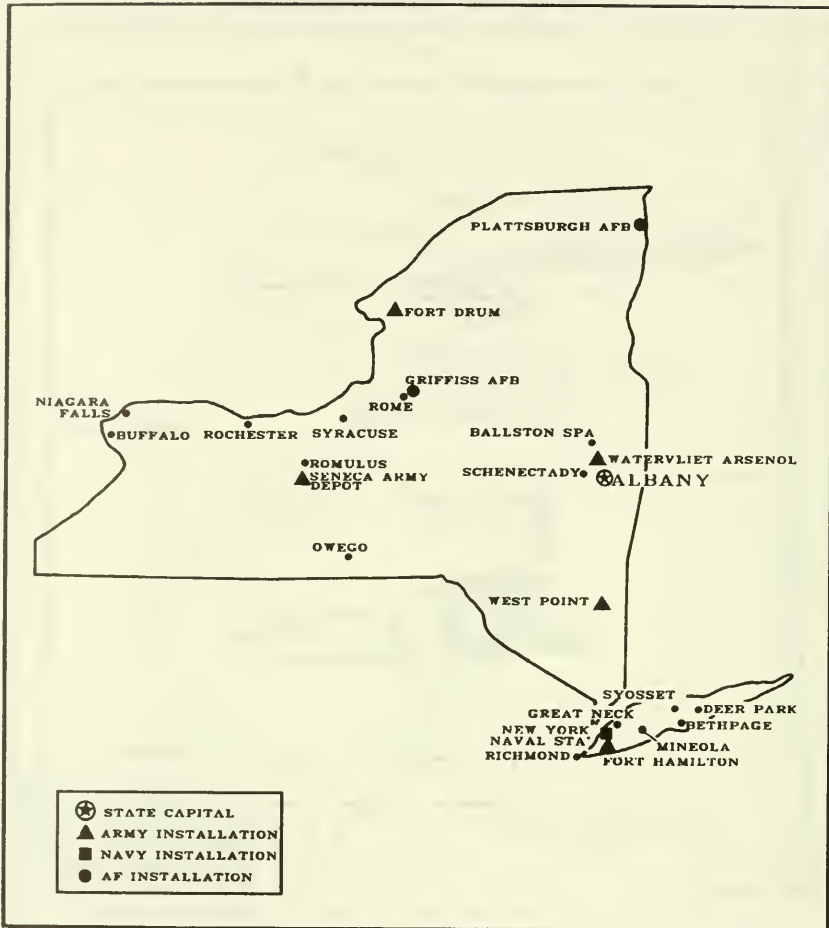
NEW MEXICO



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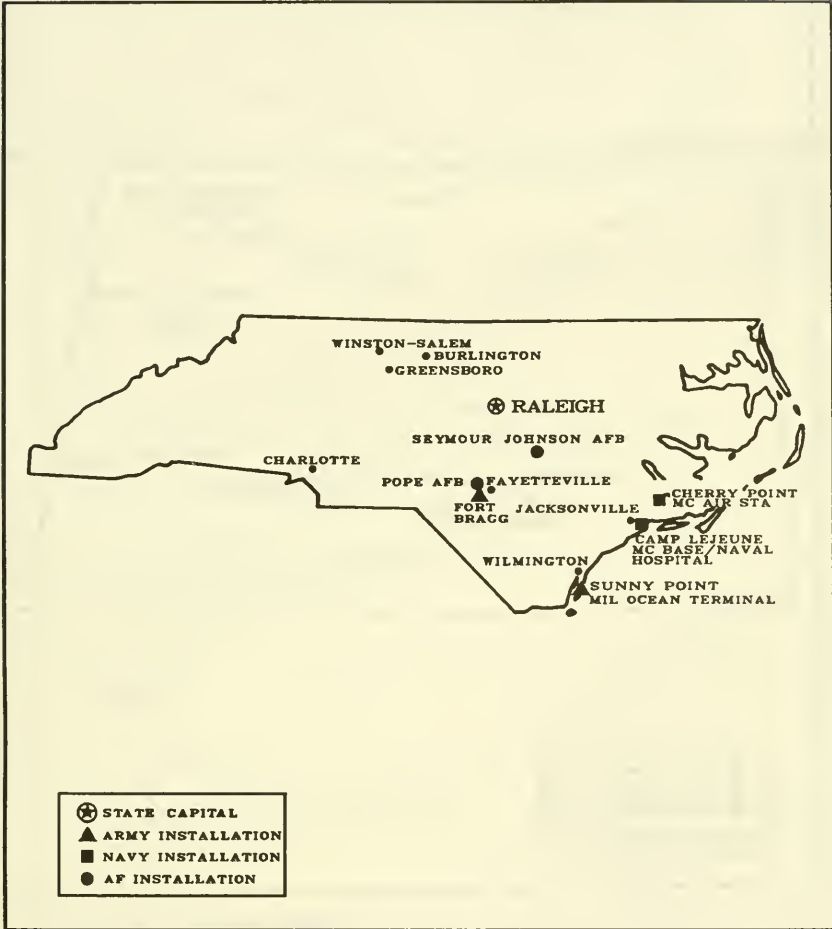
NEW YORK



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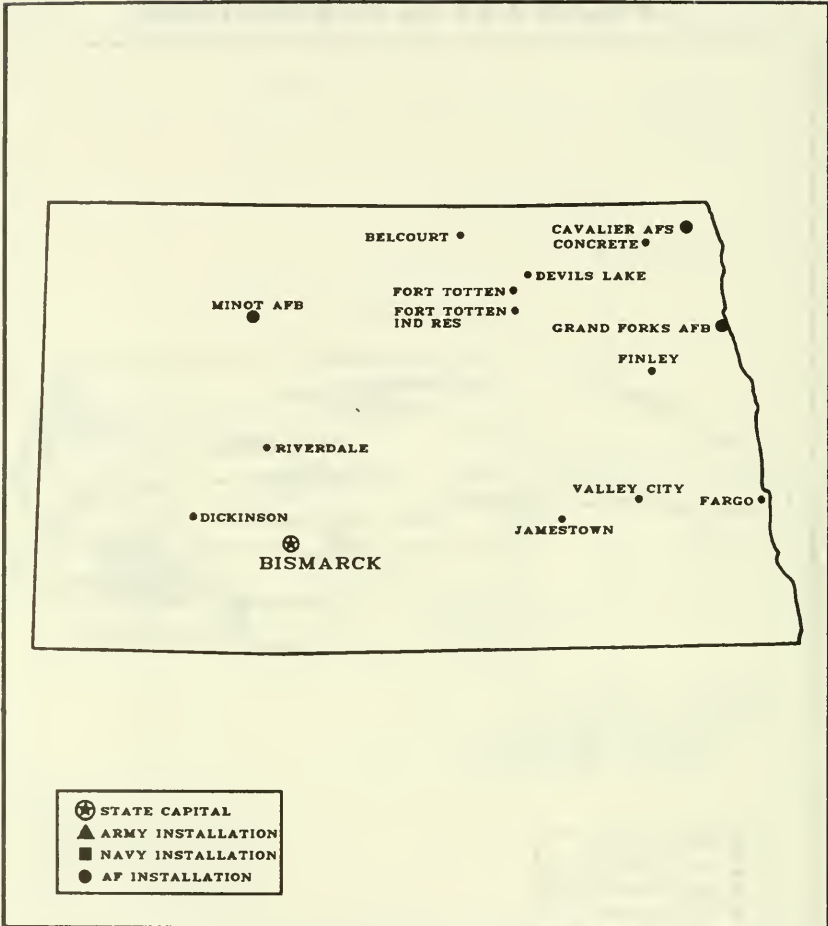
NORTH CAROLINA



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MAP NO. 35

NORTH DAKOTA



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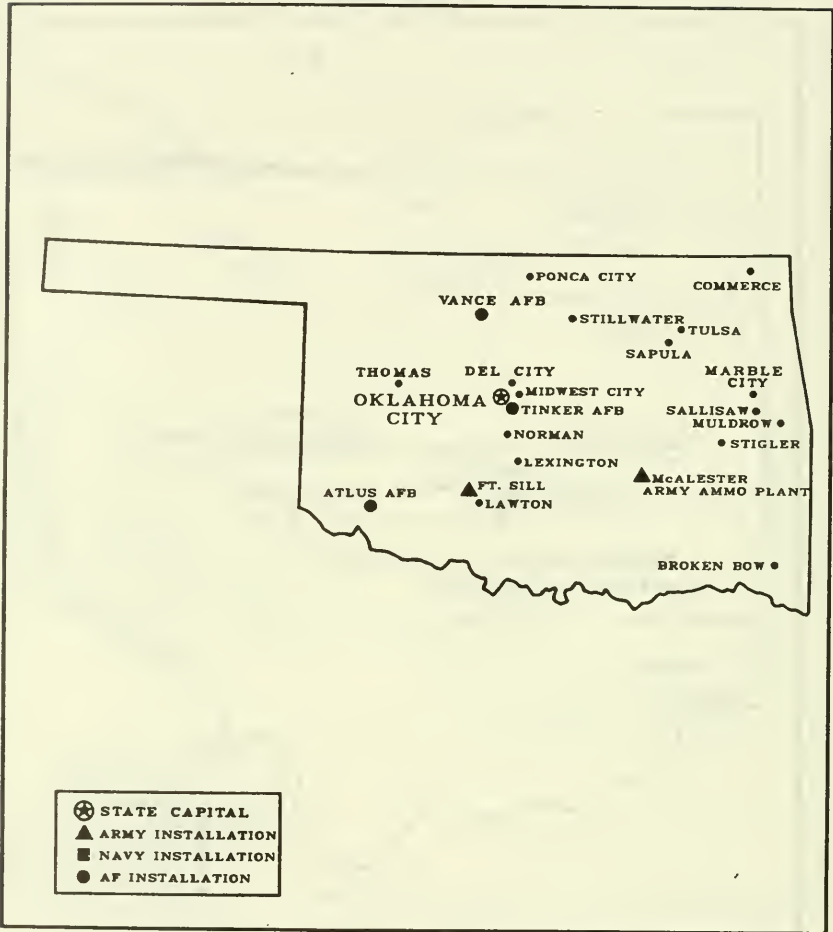
OHIO



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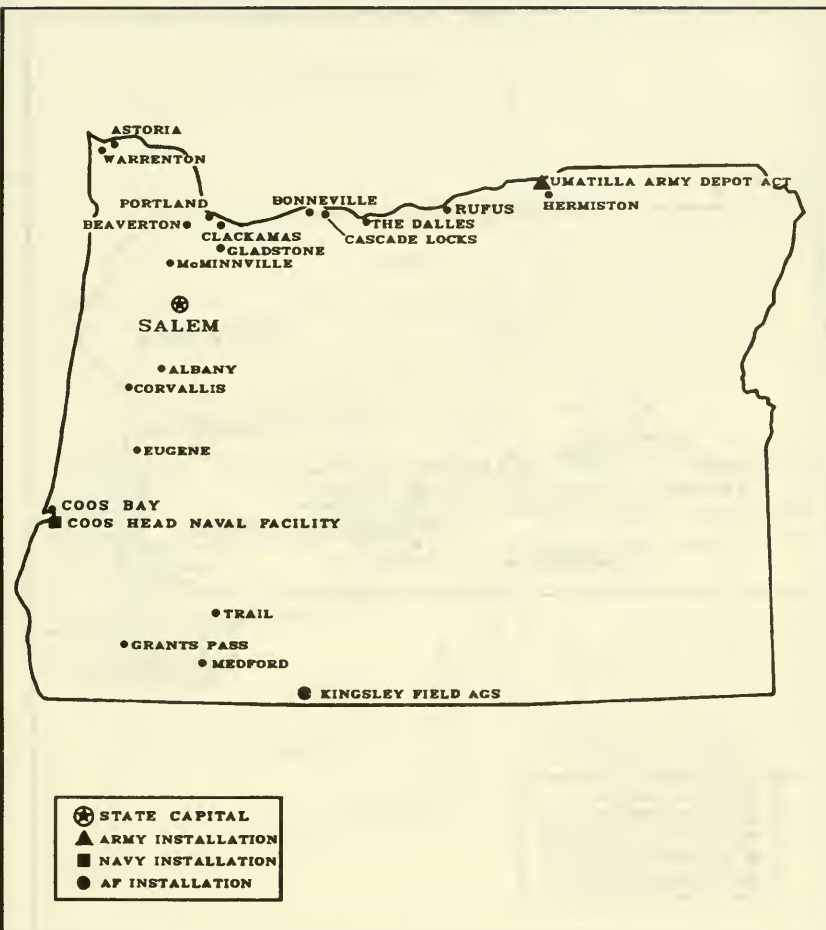
OKLAHOMA



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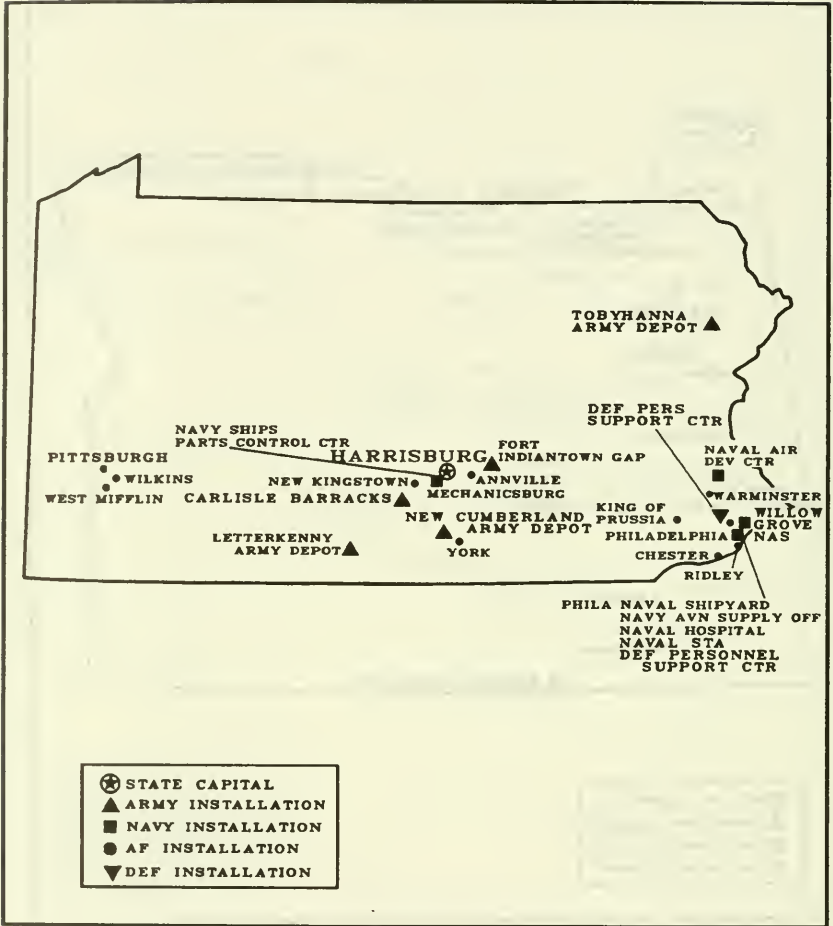
OREGON



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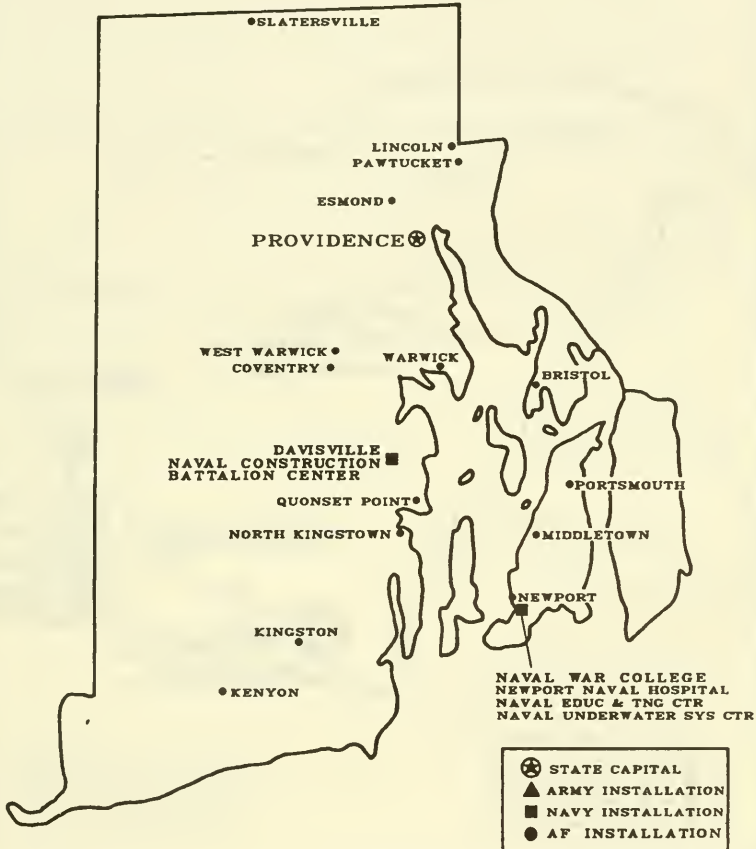
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PENNSYLVANIA



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RHODE ISLAND



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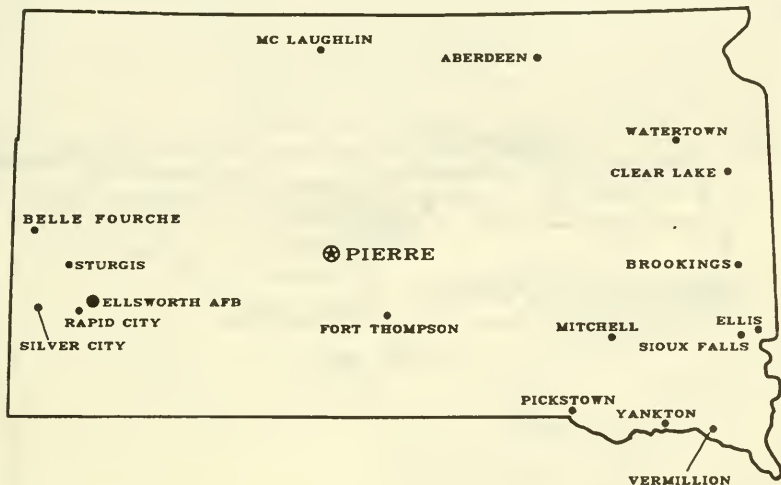
SOUTH CAROLINA



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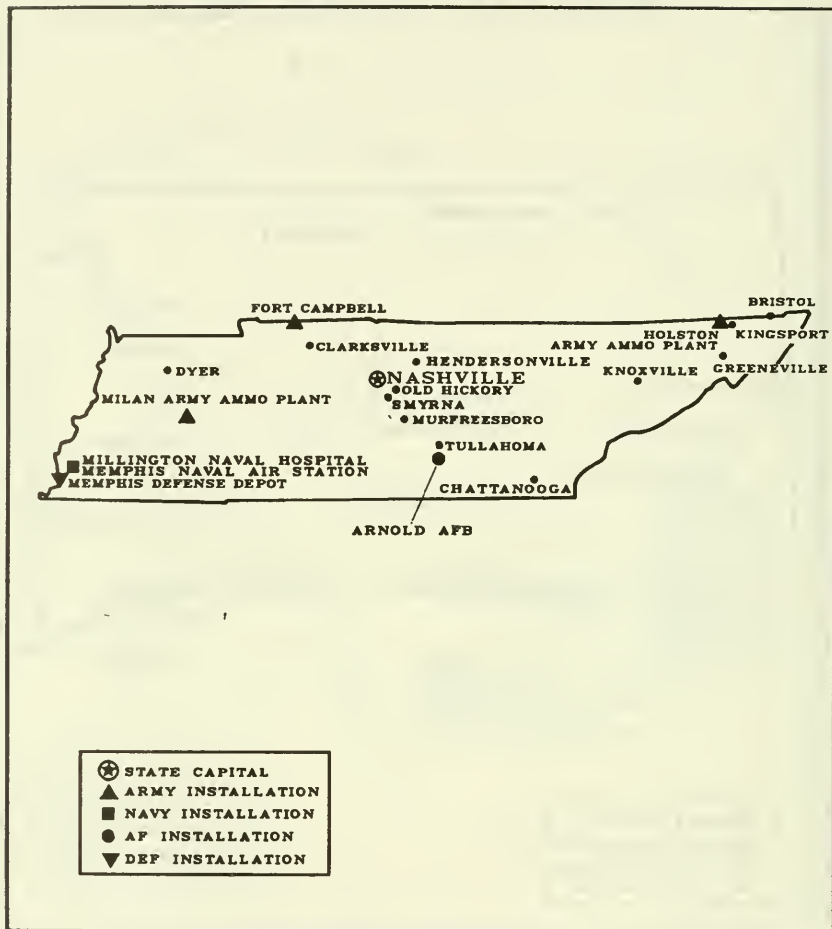
SOUTH DAKOTA



- ⊛ STATE CAPITAL
- ▲ ARMY INSTALLATION
- NAVY INSTALLATION
- AF INSTALLATION

MAP NO. 43

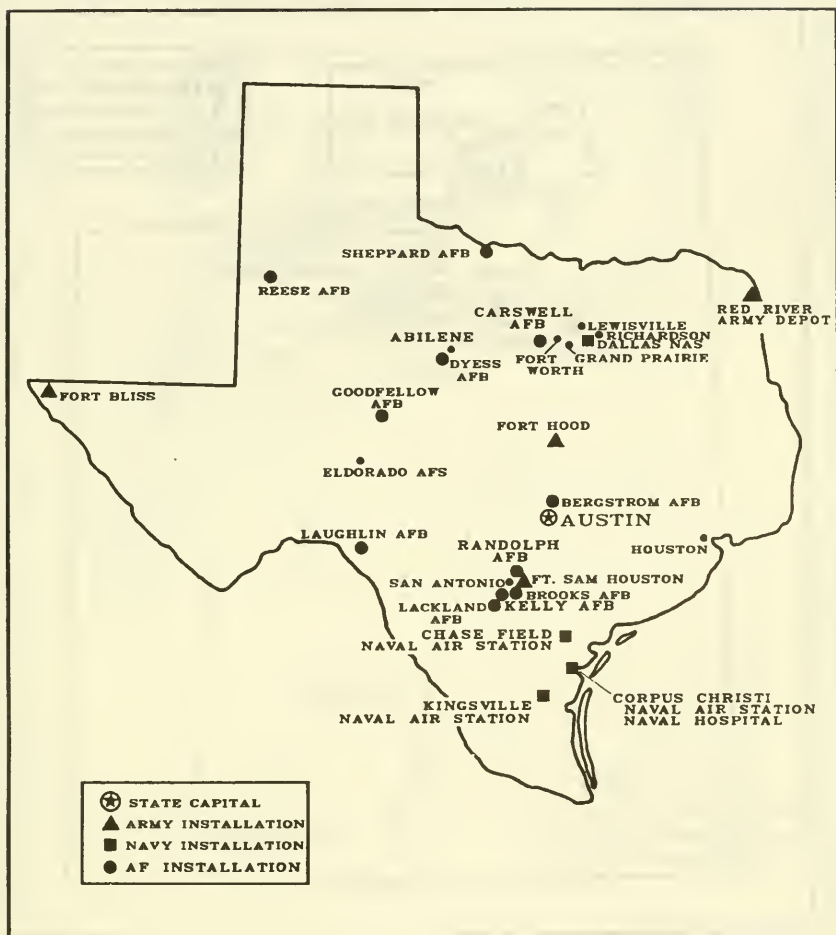
TENNESSEE



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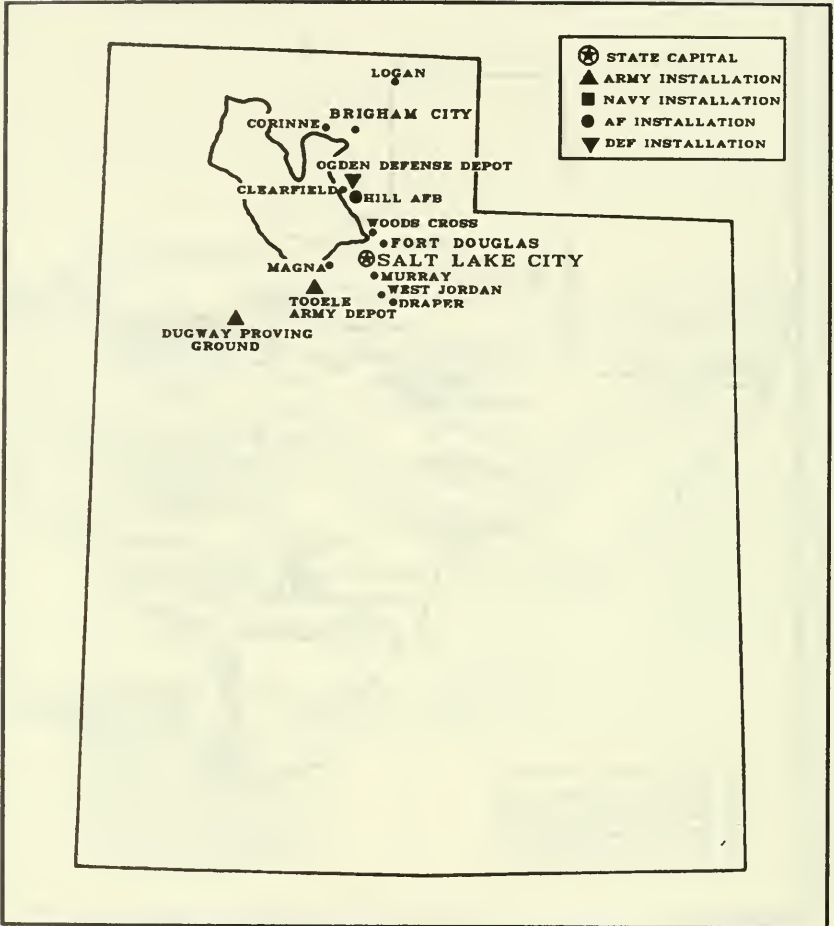
TEXAS



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MAP NO. 45

UTAH



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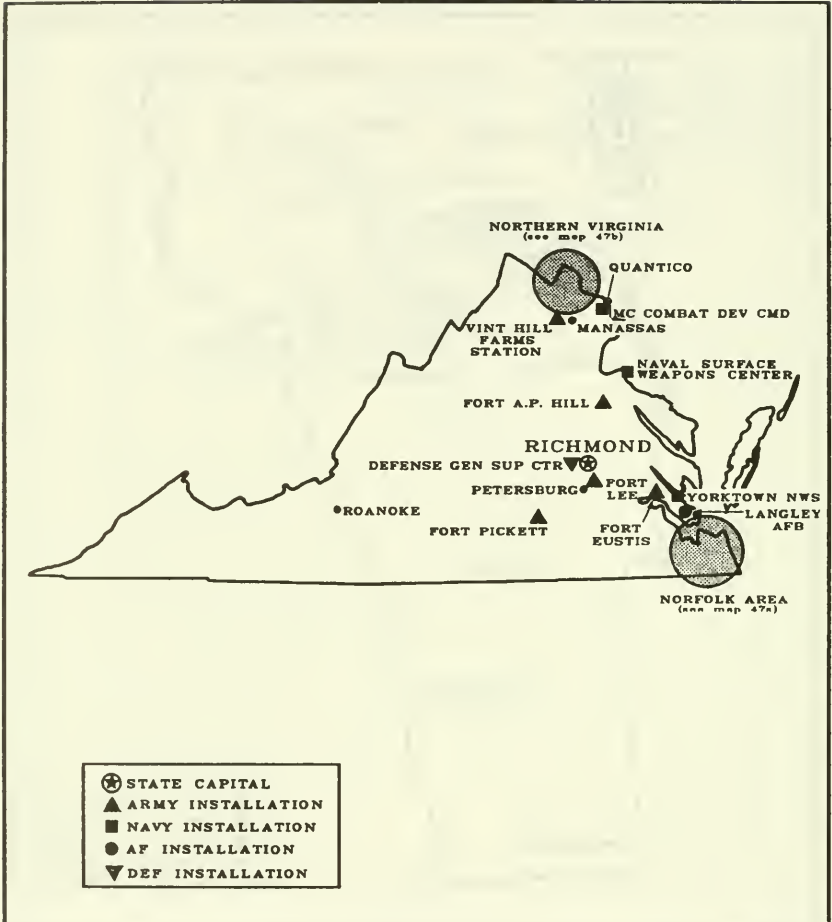
VERMONT



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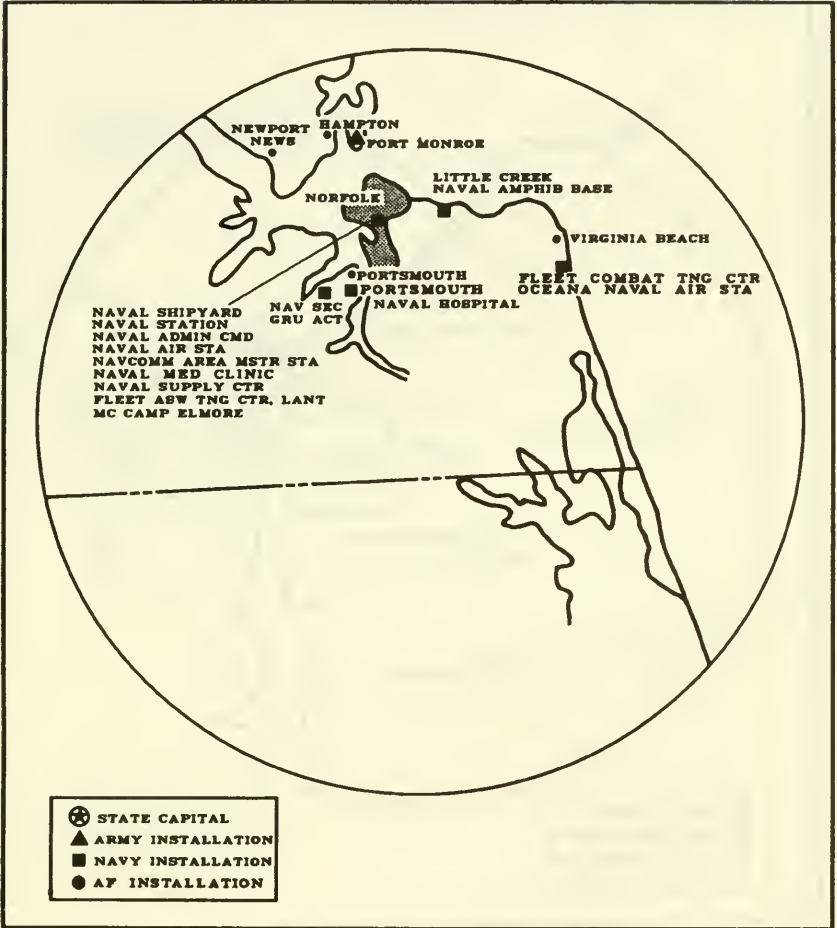
VIRGINIA



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MAP NO. 47a

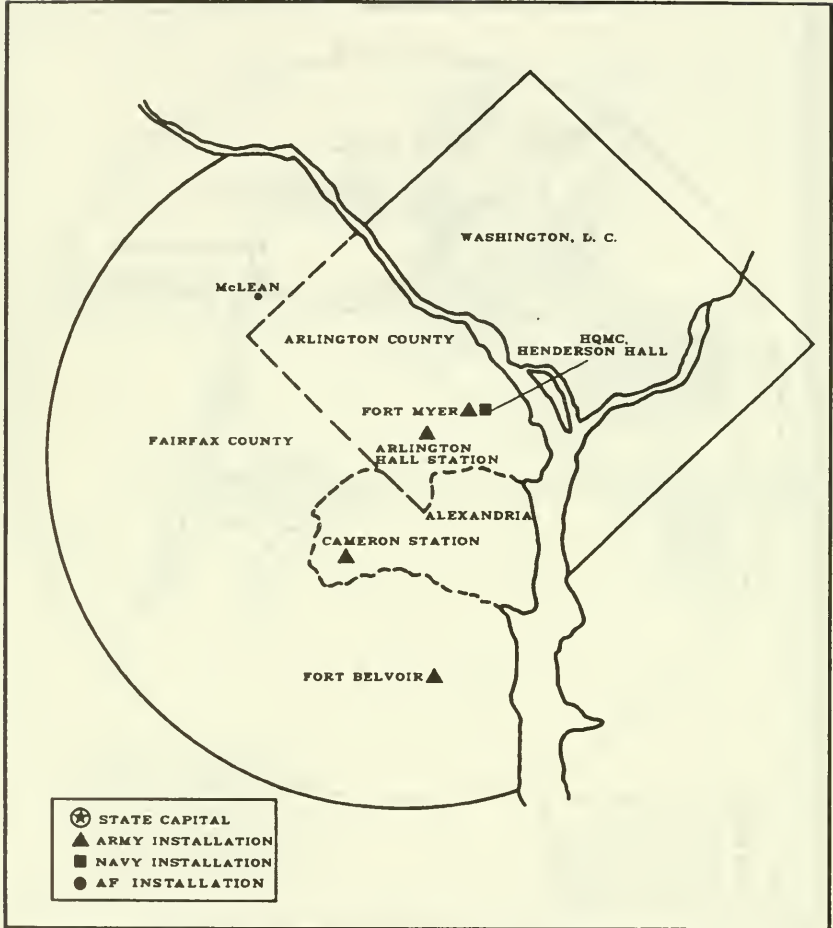
NORFOLK AREA



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MAP NO. 47b

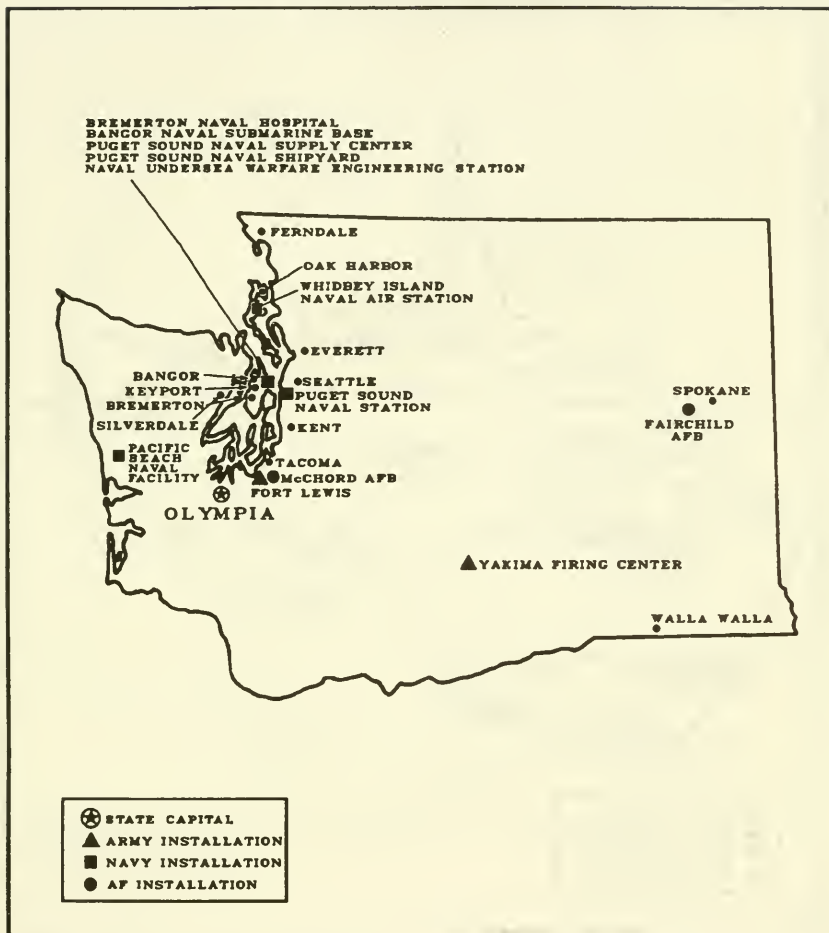
NORTHERN VIRGINIA



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MAP NO. 48

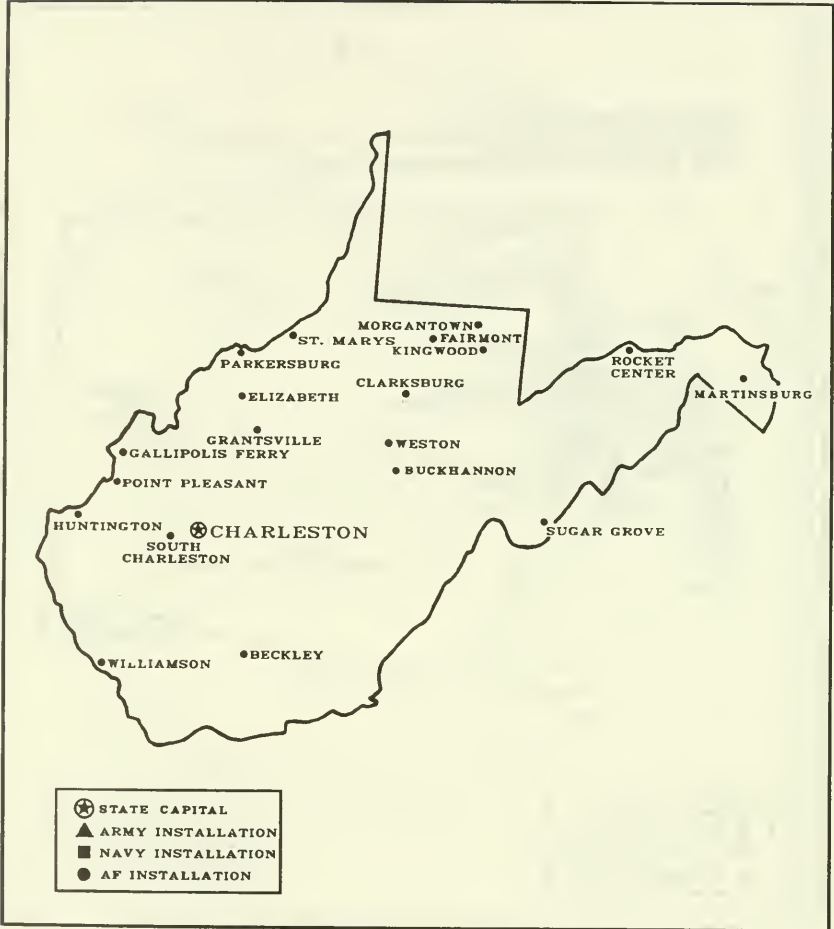
WASHINGTON



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MAP NO. 49

WEST VIRGINIA



MAP NO. 50

WISCONSIN



DEPARTMENT OF THE ARMY

FY 1994

Budget Estimates

Military Construction, Family Housing
& Homeowners Assistance



Justification Data Submitted to Congress
April 1993

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DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Alabama		Anniston Army Depot (AMC)			3
	41302	Ammunition Demilitarization Fac Ph IV	110,900	110,900	5
		Subtotal For Anniston Army Depot PART I	\$ 110,900	110,900	
		Fort Rucker (TRADOC)			9
	2095	Petroleum Lab and Fuel Storage	5,800	5,800	11
	10528	Operations Facility	1,150	1,150	14
	36037	Whole Barracks Renewal	20,000	20,000	17
		Subtotal For Fort Rucker PART I	\$ 26,950	26,950	
		* TOTAL MCA FOR Alabama	\$ 137,850	137,850	
	Arizona		Fort Huachuca (TRADOC)		
1814		Battalion Headquarters	4,800	4,800	25
38773		General Purpose Administrative Facility	4,050	4,050	28
		Subtotal For Fort Huachuca PART I	\$ 8,850	8,850	
		* TOTAL MCA FOR Arizona	\$ 8,850	8,850	
California		Fort Irwin (FORSCOM)			33
	31981	Whole Barracks Renewal	5,900	5,900	35
		Subtotal For Fort Irwin PART I	\$ 5,900	5,900	
	* TOTAL MCA FOR California	\$ 5,900	5,900		
Colorado		Fort Carson (FORSCOM)			41
	2220	Range Control Facility	4,050	4,050	43
		Subtotal For Fort Carson PART I	\$ 4,050	4,050	
	* TOTAL MCA FOR Colorado	\$ 4,050	4,050		

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Georgia		Fort Benning (TRADOC)			49
	22546	Multipurpose Machine Gun Range	1,650	1,650	51
	35301	Whole Barracks Renewal	17,500	17,500	54
	35308	Barracks Modernization	18,500	18,500	57
		Subtotal For Fort Benning PART I	\$ 37,650	37,650	
		Fort Stewart (FORSCOM)			61
	39137	Cargo Handling Facility	4,500	4,500	63
	39141	Expand Ammunition Storage Area	3,600	3,600	66
	39143	Railroad Track Improvement	2,000	2,000	69
	39153	Hardstand	8,700	8,700	72
	Subtotal For Fort Stewart PART I	\$ 18,800	18,800		
	* TOTAL MCA FOR Georgia	\$ 56,450	56,450		
Hawaii		Schofield Barracks (USARPAC)			77
	14840	Operations Facility	2,600	2,600	79
	34642	Multi-Purpose Family Service Center	16,000	16,000	82
		Subtotal For Schofield Barracks PART I	\$ 18,600	18,600	
		* TOTAL MCA FOR Hawaii	\$ 18,600	18,600	
Kentucky		Fort Campbell (FORSCOM)			87
	820	Dining Facilities Modernization	3,500	3,500	89
	33345	Airfield Improvements	3,950	3,950	92
	39057	Mobilization Warehouse	850	850	95
	40217	Whole Barracks Renewal	32,000	32,000	98
		Subtotal For Fort Campbell PART I	\$ 40,300	40,300	
		Fort Knox (TRADOC)			101
	3091	Whole Barracks Renewal	25,000	25,000	103
6895	Maintenance Facility	12,200	12,200	106	
22332	Multipurpose Training Range	4,150	4,150	109	

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Kentucky		Fort Knox (TRADOC) (CONT.)			101
		Subtotal For Fort Knox PART I	\$ 41,350	41,350	
		* TOTAL MCA FOR Kentucky	\$ 81,650	81,650	
Maryland		Aberdeen Proving Ground (AMC)			115
	6792	Applied Instruction Facility	14,000	14,000	117
	17544	Target Assembly and Storage Facility	1,800	1,800	120
	29622	Upgrade Range Complex	4,450	4,450	124
		Subtotal For Aberdeen Proving Ground PART I	\$ 20,250	20,250	
		* TOTAL MCA FOR Maryland	\$ 20,250	20,250	
Missouri		Fort Leonard Wood (TRADOC)			129
	13576	Operations Facility	1,000	1,000	131
		Subtotal For Fort Leonard Wood PART I	\$ 1,000	1,000	
		* TOTAL MCA FOR Missouri	\$ 1,000	1,000	
Nevada		Hawthorne Army Ammunition Plant (AMC)			137
	40708	Container Holding Pads	7,000	7,000	139
		Subtotal For Hawthorne Army Ammunition Plant PART I	\$ 7,000	7,000	
		* TOTAL MCA FOR Nevada	\$ 7,000	7,000	
New Jersey		Fort Monmouth (AMC)			145
	2836	Satellite Control System Addition	7,500	7,500	147
		Subtotal For Fort Monmouth PART I	\$ 7,500	7,500	
		* TOTAL MCA FOR New Jersey	\$ 7,500	7,500	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
New Mexico		White Sands Missile Range (AMC)			153
	41204	Target Track	2,900	2,900	155
		Subtotal For White Sands Missile Range PART I	\$ 2,900	2,900	
		* TOTAL MCA FOR New Mexico	\$ 2,900	2,900	
New York		United States Military Academy (XXX)			161
	34548	Whole Barracks Renewal	13,800	13,800	163
		Subtotal For United States Military Academy PART I	\$ 13,800	13,800	
		* TOTAL MCA FOR New York	\$ 13,800	13,800	
North Carolina		Fort Bragg (FORSCOM)			169
	1731	Tactical Equipment Shop	23,000	23,000	171
	4641	Tactical Equipment Shop	7,100	7,100	175
	35358	Whole Brigade Barracks Complex	71,600	71,600	178
	40444	Sewage Treatment Plant Upgrade	540	540	182
		Subtotal For Fort Bragg PART I	\$ 102,240	102,240	
		* TOTAL MCA FOR North Carolina	\$ 102,240	102,240	
Oklahoma		Fort Sill (TRADOC)			187
	35242	Whole Barracks Renewal	15,700	15,700	189
		Subtotal For Fort Sill PART I	\$ 15,700	15,700	
		* TOTAL MCA FOR Oklahoma	\$ 15,700	15,700	
Pennsylvania		Toxbyhanna Army Depot (AMC)			195
	32876	Water Pollution Abatement (DBOP)	750	750	197
		Subtotal For Toxbyhanna Army Depot PART I	\$ 750	750	
		* TOTAL MCA FOR Pennsylvania	\$ 750	750	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
South Carolina		Fort Jackson (TRADOC)			203
	3240	Operations Facility	1,100	1,100	205
	6936	Range Upgrade	1,600	1,600	208
		Subtotal For Fort Jackson PART I	\$ 2,700	2,700	
		* TOTAL MCA FOR South Carolina	\$ 2,700	2,700	
Texas		Fort Bliss (TRADOC)			213
	2255	Consolidated Maintenance Facility	14,000	14,000	215
		Subtotal For Fort Bliss PART I	\$ 14,000	14,000	
		Fort Hood (FORSOOM)			219
	22738	Whole Barracks Renewal	18,000	18,000	221
	22976	Cold/Dry Storage Facility	13,400	13,400	224
	31241	Tactical Equipment Shop	5,300	5,300	228
	33947	Test and Evaluation Support Facility	5,200	5,200	231
	37014	Close Combat Tactical Trainer Facility	7,500	7,500	234
		Subtotal For Fort Hood PART I	\$ 49,400	49,400	
		Fort Sam Houston (FORSOOM)			239
5118	Multi-Purpose Family Service Center	4,351	4,351	241	
	Subtotal For Fort Sam Houston PART I	\$ 4,351	4,351		
	* TOTAL MCA FOR Texas	\$ 67,751	67,751		
Utah		Dugway Proving Ground (AMC)			247
	16299	Life Sciences Test Facility	16,500	16,500	249
		Subtotal For Dugway Proving Ground PART I	\$ 16,500	16,500	
		Tooele Army Depot (AMC)			253
	40537	Treaty Verification Facility	1,500	1,500	255
	Subtotal For Tooele Army Depot PART I	\$ 1,500	1,500		
	* TOTAL MCA FOR Utah	\$ 18,000	18,000		

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	REQUEST	
Virginia		Fort Belvoir (MDW)				261
	9161	Operations Facility		860	860	263
		Subtotal For Fort Belvoir PART I	\$	860	860	
		Fort Lee (TRADOC)				267
	2571	Whole Barracks Renewal		20,000	20,000	269
	2580	Applied Instruction Facility		12,600	12,600	272
		Subtotal For Fort Lee PART I	\$	32,600	32,600	
		Fort Myer (MDW)				275
	33965	Whole Barracks Renewal		6,800	6,800	277
		Subtotal For Fort Myer PART I	\$	6,800	6,800	
	* TOTAL MCA FOR Virginia	\$	40,260	40,260		
Washington		Fort Lewis (FORSCOM)				283
	39078	Incinerator Building Completion		14,200	14,200	285
		Subtotal For Fort Lewis PART I	\$	14,200	14,200	
	* TOTAL MCA FOR Washington	\$	14,200	14,200		
US Various		Classified US Location (USVAR)				291
	42169	Classified Project		3,000	3,000	293
		Subtotal For Classified US Location PART I	\$	3,000	3,000	
	* TOTAL MCA FOR US Various	\$	3,000	3,000		
	** TOTAL INSIDE THE UNITED STATES FOR MCA	\$	630,401	630,401		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 OUTSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST		
Kwajalein		Kwajalein Atoll (USASDC)				297
		Kwajalein Atoll				
	35900	Sewage Treatment Facility	11,200	11,200		299
	36324	Unaccompanied Personnel Housing	10,000	10,000		302
		Subtotal For Kwajalein Atoll PART I	\$ 21,200	21,200		
	* TOTAL MCA FOR Kwajalein	\$ 21,200	21,200			
Overseas Various		Classified Location (FORVAR)				307
		Classified Location				
	27533	Communications Maintenance Facility	3,600	3,600		309
		Subtotal For Classified Location PART I	\$ 3,600	3,600		
	* TOTAL MCA FOR Overseas Various	\$ 3,600	3,600			
	** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 24,800	24,800			

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 WORLDWIDE

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	REQUEST	
Worldwide	Various Minor Construction (MINEGX)					315
	28464	Unspecified Minor Construction	12,000	12,000		317
	Subtotal For Minor Construction PART I		\$ 12,000	12,000		
	Planning and Design (PLANDES)					319
	37156	Planning and Design	84,441	84,441		321
	37214	Host Nation Support	25,000	25,000		323
	Subtotal For Planning and Design PART I		\$ 109,441	109,441		
	* TOTAL MCA FOR Worldwide Various		\$ 121,441	121,441		
	** TOTAL WORLDWIDE FOR MCA		\$ 121,441	121,441		
	MILITARY CONSTRUCTION (PART I) TOTAL		\$ 776,642	776,642		

FY 94 MCA Construction Projects

State	Location	Project	Cost (\$000)	New/ Current
Inside The United States				
Alabama	Anniston Army Depot	Ammunition Demilitarization Fac Ph IV	110,900	N
Alabama	Fort Rucker	Petroleum Lab and Fuel Storage	5,800	C
Alabama	Fort Rucker	Operations Facility	1,150	C
Alabama	Fort Rucker	Whole Barracks Renewal	20,000	C
Arizona	Fort Huachuca	Battalion Headquarters	4,800	C
Arizona	Fort Huachuca	General Purpose Administrative Facility	4,050	C
California	Fort Irwin	Whole Barracks Renewal	5,900	C
Colorado	Fort Carson	Range Control Facility	4,050	C
Georgia	Fort Benning	Multipurpose Machine Gun Range	1,650	C
Georgia	Fort Benning	Whole Barracks Renewal	17,500	C
Georgia	Fort Benning	Barracks Modernization	18,500	C
Georgia	Fort Stewart	Cargo Handling Facility	4,500	C
Georgia	Fort Stewart	Expand Ammunition Storage Area	3,600	C
Georgia	Fort Stewart	Railroad Track Improvement	2,000	C
Georgia	Fort Stewart	Hardstand	8,700	C
Hawaii	Schofield Barracks	Operations Facility	2,600	C
Hawaii	Schofield Barracks	Multi-Purpose Family Service Center	16,000	C
Kentucky	Fort Campbell	Dining Facilities Modernization	3,500	C
Kentucky	Fort Campbell	Airfield Improvements	3,950	C
Kentucky	Fort Campbell	Mobilization Warehouse	850	C
Kentucky	Fort Campbell	Whole Barracks Renewal	32,000	C
Kentucky	Fort Knox	Whole Barracks Renewal	25,000	C
Kentucky	Fort Knox	Maintenance Facility	12,200	C
Kentucky	Fort Knox	Multipurpose Training Range	4,150	C
Maryland	Aberdeen Proving Ground	Applied Instruction Facility	14,000	C
Maryland	Aberdeen Proving Ground	Target Assembly and Storage Facility	1,800	C
Maryland	Aberdeen Proving Ground	Upgrade Range Complex	4,450	C
Missouri	Fort Leonard Wood	Operations Facility	1,000	C
Nevada	Hawthorne AAP	Container Holding Pads	7,000	C
New Jersey	Fort Monmouth	Satellite Control System Addition	7,500	C
New Mexico	White Sands Missile Range	Target Track	2,900	C
New York	U S Military Academy	Whole Barracks Renewal	13,800	C
North Carolina	Fort Bragg	Tactical Equipment Shop	23,000	C
North Carolina	Fort Bragg	Tactical Equipment Shop	7,100	C
North Carolina	Fort Bragg	Whole Brigade Barracks Complex	71,600	C
North Carolina	Fort Bragg	Sewage Treatment Plant Upgrade	540	C
Oklahoma	Fort Sill	Whole Barracks Renewal	15,700	C

FY 94 MCA Construction Projects

State -----	Location -----	Project -----	Cost (\$000) -----	New/ Current -----
Inside The United States				
Pennsylvania	Tobyhanna Army Depot	Water Pollution Abatement	750	C
South Carolina	Fort Jackson	Operations Facility	1,100	C
South Carolina	Fort Jackson	Range Upgrade	1,600	C
Texas	Fort Bliss	Consolidated Maintenance Facility	14,000	C
Texas	Fort Hood	Whole Barracks Renewal	18,000	C
Texas	Fort Hood	Cold/Dry Storage Facility	13,400	C
Texas	Fort Hood	Tactical Equipment Shop	5,300	C
Texas	Fort Hood	Test and Evaluation Support Facility	5,200	C
Texas	Fort Hood	Close Combat Tactical Trainer Facility	7,500	M
Texas	Fort Sam Houston	Multi-Purpose Family Service Center	4,351	C
Utah	Dugway Proving Ground	Life Sciences Test Facility	16,500	C
Utah	Tooele Army Depot	Treaty Verification Facility	1,500	N
US Various	Classified US Location	Classified Project	3,000	C
Virginia	Fort Belvoir	Operations Facility	860	C
Virginia	Fort Lee	Whole Barracks Renewal	20,000	C
Virginia	Fort Lee	Applied Instruction Facility	12,600	C
Virginia	Fort Myer	Whole Barracks Renewal	6,800	C
Washington	Fort Lewis	Incinerator Building Completion	14,200	C
Outside The United States				
Kwajalein	Kwajalein Atoll	Sewage Treatment Facility	11,200	C
Kwajalein	Kwajalein Atoll	Unaccompanied Personnel Housing	10,000	C
Overseas Various	Classified Location	Communications Maintenance Facility	3,600	C
Worldwide Various				
Worldwide Various	Minor Construction	Unspecified Minor Construction	12,000	
Worldwide Various	Planning and Design	Planning and Design	84,441	
Worldwide Various	Planning and Design	Host Nation Support	25,000	
		Total Cost of New Mission projects (3)	\$ 119,900	
		Total Cost of Current Mission projects (55)	\$ 535,301	
		Total Cost of other line items (3)	\$ 121,441	
		Total Cost of FY 94 MCA Projects (61)	\$ 776,642	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

INSTALLATION LIST

<u>INSTALLATION</u>	<u>MCOM</u>	<u>1390</u> <u>PAGE</u>
A		
Aberdeen Proving Ground	AMC	115
Anniston Army Depot	AMC	3
B		
Fort Belvoir	MDM	261
Fort Benning	TRADOC	49
Fort Bliss	TRADOC	213
Fort Bragg	FORSCOM	169
C		
Fort Campbell	FORSCOM	87
Fort Carson	FORSCOM	41
Classified US Location	USVAR	291
Classified Location	FORVAR	307
D		
Dugway Proving Ground	AMC	247
H		
Hawthorne Army Ammunition Plant	AMC	137
Fort Hood	FORSCOM	219
Fort Sam Houston	FORSCOM	239
Fort Huachuca	TRADOC	23
I		
Fort Irwin	FORSCOM	33

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

INSTALLATION LIST

<u>INSTALLATION</u>	<u>MACOM</u>	1390 <u>PAGE</u>
J —		
Port Jackson	TRADOC	203
K —		
Port Knox	TRADOC	101
Kwajalein Atoll	USASDC	297
L —		
Fort Lee	TRADOC	267
Fort Lewis	FORSCOM	283
M —		
Fort Monmouth	AMC	145
Fort Myer	MDW	275
Minor Construction	MINEGX	315
P —		
Planning and Design	PLANDES	319
R —		
Fort Rucker	TRADOC	9
S —		
Schofield Barracks	USARPAC	77
Fort Sill	TRADOC	187
Fort Stewart	FORSCOM	61

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

INSTALLATION LIST

<u>INSTALLATION</u>	<u>MACOM</u>	<u>1390 PAGE</u>
T		
Tobyhanna Army Depot	AMC	195
Tooele Army Depot	AMC	253
U		
United States Military Academy	XXI	161
W		
White Sands Missile Range	AMC	153
Fort Leonard Wood	TRADOC	129

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

COMMAND SUMMARY

<u>MAJOR ARMY COMMAND NAME</u>	<u>AUTHORIZATION REQUEST</u>	<u>APPROPRIATION REQUEST</u>
 <u>INSIDE THE UNITED STATES</u>		
US Army Materiel Command	167,300	167,300
US Army Forces Command	239,241	239,241
US Army Military District of Washington	7,660	7,660
US Army Training and Doctrine Command	180,800	180,800
US ARMY PACIFIC	18,600	18,600
Various US Army Major Commands-Foreign	3,000	3,000
United States Military Academy	13,800	13,800
 <u>OUTSIDE THE UNITED STATES</u>		
Assistant Chief of Engineers	3,600	3,600
US Army Strategic Defense Command	21,200	21,200
 <u>WORLDWIDE</u>		
Military Construction, Army-Minor	12,000	12,000
Assistant Chief of Engineers	25,000	25,000
Planning and Design	84,441	84,441
 TOTAL	 776,642	 776,642

DEPARTMENT OF DEFENSE
MILITARY CONSTRUCTION, ARMY

The military construction program for the active Army in terms of budget plans shown in the schedules of this title are summarized in the following tabulation:

<u>FISCAL YEAR</u>	<u>MILITARY CONSTRUCTION, ARMY BUDGET PLAN</u>
FY 1992 (Actual)	894,899,000
FY 1993 (Actual)	437,070,000
FY 1994 (Request)	776,642,000

1. Major Construction. The MCA major construction program is one of the most visible means of improving the working and living conditions of the Army Family. This program provides for military construction projects in the United States and overseas as authorized in currently effective Military Construction Acts and in the new Authorization Request which will be presented to the Congress early in 1993.

This request funds the Army's most critical facilities needs within the context of changing force structure and fiscal constraints. The Army's facilities strategy is to:

- Provide Sufficient Resources
- Focus the Investment
- Reduce Facility Inventory

The Focus of investment is on revitalization of facilities at installations which remain after base closure actions. In the current year, investment is primarily directed toward improving living conditions for the single soldier and the Army's worldwide power projection capability at CONUS installations.

2. Minor Construction. Provision is made for construction of future unspecified projects that have not been individually authorized by law but are determined to be urgent requirements and do not cost more than the amounts specified in 10 USC 2805.

3. Planning. This provides for necessary planning of military construction projects including design, host nation support, standards, surveys, studies, and other related activities.

4. Supporting Activities. Provides for the Defense Access Road Program.

Department of Defense

MILITARY CONSTRUCTION, ARMY
[INCLUDING RESCISSIONS]

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Army as currently authorized by law, including personnel in the Army Corps of Engineers and other personal services necessary for the purposes of this appropriation, and for construction and operation of facilities in support of the functions of the Commander in Chief [\$425,270,000] \$776,642,000, to remain available until September 30, [1997] 1998: *Provided*, That of this amount, not to exceed [\$110,000,000] \$109,441,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

10 USC 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1993; additional authorizing legislation to be proposed.

Military Construction, Army
Program and Financing (In Thousands of dollars) SUMMARY

Identification code	21-2050-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)		
		1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
00.0101	Major construction	764,899	315,270	655,201
00.0201	Minor construction	11,000	5,500	12,000
00.0301	Planning	113,000	116,300	109,441
00.0401	Supporting activities	6,000		
00.9101	Total direct program	894,899	437,070	776,642
01.0101	Reimbursable program	1,780,662	1,800,000	1,500,000
10.0001	Total	2,675,561	2,237,070	2,276,642
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-1,533,249	-1,550,000	-1,120,000
13.0001	Trust funds(-)	-247,413	-250,000	-380,000
14.0001	Non-Federal sources(-)			
17.0001	Recovery of prior year obligations			
21.4002	Unobligated balance available, start of year:			
21.4003	For completion of prior year budget plans			
21.4009	Available to finance new budget plans			
22.0001	Reprogramming from/to prior year budget plans	-39,000		
	Unobligated balance transferred to other accounts	-25,817		
24.4002	Unobligated balance available, end of year:			
25.0001	For completion of prior year budget plans	-11,131	-6,300	
	Unobligated balance expiring	6,733		
39.0001	Budget authority			
		825,684	430,770	776,642
Budget authority:				
40.0001	Appropriation	823,970	430,770	776,642
41.0001	Transferred to other accounts (-)	-5,000		
42.0001	Transferred from other accounts	6,714		
43.0001	Appropriation (adjusted)	825,684	430,770	776,642
Relation of obligations to outlays:				
71.0001	Obligations incurred			
72.4001	Obligated balance, start of year			
74.4001	Obligated balance, end of year			
77.0001	Adjustments in expired accounts (net)			
78.0001	Adjustments in unexpired accounts			
90.0001	Outlays (net)			

Military Construction, Army
Program and Financing (in thousands of dollars) SUMMARY

Obligations

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
00.0101	Major construction	736,344	572,582	709,684
00.0201	Minor construction	15,058	6,071	10,800
00.0301	Planning	105,325	126,573	98,699
00.0401	Supporting activities	1,020	1,020	1,020
00.9101	Total direct program	856,727	706,246	819,183
01.0101	Reimbursable program	1,846,119	1,800,000	1,500,000
10.0001	Total	2,702,846	2,506,246	2,319,183
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-1,523,375	-1,550,000	-1,120,000
13.0001	Trust funds(-)	-25,292	-250,000	-380,000
14.0001	Non-Federal sources(-)	-3,428	-	-
17.0001	Recovery of prior year obligations	-119,489	-	-
21.4002	Unobligated balance available, start of year:	-700,126	-752,206	-483,030
21.4003	Available to finance new budget plans	-39,000	-	-
21.4009	Reprogramming from/to prior year budget plans	-11,131	-6,300	-
22.0001	Unobligated balance transferred to other accounts	752,206	483,030	440,489
24.4002	Unobligated balance available, end of year:	6,733	-	-
25.0001	Unobligated balance expiring	825,684	430,770	776,642
39.0001	Budget authority	823,970	430,770	776,642
Budget authority:				
40.0001	Appropriation	-5,000	-	-
41.0001	Transferred to other accounts (-)	6,714	-	-
42.0001	Transferred from other accounts	825,684	430,770	776,642
43.0001	Appropriation (adjusted)	-	-	-
Relation of obligations to outlays:				
71.0001	Obligations incurred	926,491	706,246	819,183
72.4001	Obligated balance, start of year	622,107	893,547	882,762
74.4001	Obligated balance, end of year	-893,547	-782,762	-838,562
77.0001	Adjustments in expired accounts (net)	603	-	-
78.0001	Adjustments in unexpired accounts	-119,489	-	-
90.0001	Outlays (net)	546,165	817,031	763,383

Military Construction, Army
Object Classification (in thousands of dollars) SUMMARY

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.101	Full-time permanent	38,781	31,947	37,535
111.301	Other than full-time permanent	684	705	828
111.501	Other personnel compensation	18	15	17
	Total personnel compensation	39,463	32,667	38,381
112.101	Personnel Benefits: Civilian personnel	17,193	14,175	16,655
121.001	Travel and transportation of persons	4,707	3,879	4,557
122.001	Transportation of things	182	141	166
123.301	Communications, utilities, and miscellaneous charges	202	141	166
124.001	Printing and reproduction	703	564	683
Other services:				
125.201	Payments to foreign nationals indirect hire personnel	2,017	1,693	1,988
125.203	Contracts	170,842	140,410	164,872
126.001	Supplies and materials	281	212	249
131.001	Equipment	403	353	414
132.001	Land and structures	620,854	510,981	583,321
	Total Direct obligations	856,727	706,326	811,533
Reimbursable obligations:				
Personnel Compensation:				
211.101	Full-time permanent	169,476	184,680	153,900
211.301	Other than full-time permanent	8,885	8,640	7,200
211.501	Other personnel compensation	2	2	2
	Total personnel compensation	178,363	193,322	161,102
212.101	Personnel Benefits: Civilian Personnel	30,743	30,060	35,050
221.001	Travel and transportation of persons	10,231	9,900	8,250
222.001	Transportation of things	2,717	2,700	2,250
223.301	Communications, utilities, and miscellaneous charges	59,736	68,320	48,600
224.001	Printing and reproduction	1,086	1,080	900
Other services:				
225.201	Payments to foreign nationals indirect hire personnel	104	180	150
225.204	Other	606,473	581,300	482,750
231.001	Equipment	31,867	31,140	35,850
232.001	Land and structures	904,768	881,988	734,988
	Total Reimbursable obligations	1,846,119	1,800,000	1,500,000
Allocation Accounts				
311.101	Personnel compensation:			
311.501	Full-time permanent		20	148
311.501	Other personnel compensation		3	20

Military Construction, Army
 Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
312.101	Personnel benefits: Civilian personnel		3	20
321.001	Travel and transportation of persons		3	21
322.001	Transportation of things		1	9
	Other services:			
325.204	Other		15	116
326.001	Supplies and materials		2	14
331.001	Equipment		2	12
332.001	Land and structures		971	7,290
399.001	Total Allocation Accounts		1,020	7,650
999.901	Total obligations	2,702,846	2,506,246	2,319,183

Special Program Considerations
Fiscal Year 1994

SECTION I

ITEMS OF SPECIAL INTEREST

Environmental Protection

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposal, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped persons are provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in the program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, the Army has screened the fiscal year 1994 construction requirements against the Resolution Trust Corporation's (RTC) Real Estate Asset Inventory. The screening process included Military Construction, Army (MCA), Army Family Housing (AFH), and Base Closure Account (BCA) construction programs. None of the properties listed in the RTC assets inventory will meet the facility or housing needs of the Army at this time. The Army will continue to monitor the RTC inventory of assets in the future to determine if our facility needs can be economically met by the purchase of RTC assets.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a life cycle cost economic analysis was prepared and the results indicated on the DD Form 1391. If there were no viable alternatives for analysis, an explanation is provided on the DD Form 1391.

Concrete Technology

The House Armed Services Committee Report #101-121, page 338, recommended that the Secretary of Defense undertake an investigation of new concrete technologies and further recommended that services include three demonstration projects in their fiscal year 1991 budget requests. Most laboratory tests on concrete made with blended hydraulic cement were completed by the U.S. Army Corps of Engineers in April 1992. Material cost of the cement is approximately three times that of conventional Portland Cement. When the life cycle cost analysis of planned facilities demonstrates that operational and time savings realized through the use of blended hydraulic cement offset its higher material and construction costs, those facilities will include blended hydraulic cement requirements in the design and construction. At this time none of the services can identify suitable, cost effective MILCON demonstration projects that would benefit by the specialized features of blended hydraulic cement. However, each service is aware of the rapid set properties of the cement and will consider its use for maintenance or repair projects having such requirements.

Alternative Funding Sources for Overseas Projects

Conference Report No. 100-498 (Making Further Continuing Appropriations for the Fiscal Year Ending September 30, 1988), pg. 1003 directs that future budget requests include an eligibility certificate for each project requested in Europe, Japan, and Korea. All overseas projects are considered for funding in Europe by NATO Infrastructure, in Japan by the Facilities Improvement Program, and in Korea by either the Combined Defense Improvement Projects or the Republic of Korea Funded Construction programs. Projects in Europe to be funded with residual value funds will state whether or not the project is eligible for NATO Infrastructure funds. The additional paragraph of each overseas DD Form 1391 includes the certification as to alternate funding eligibility.

Use of NATO Infrastructure Funds

The Conference Appropriation Committee Report #102-236, p. 8, states the Committees endorse the use of NATO Infrastructure funding for eligible projects in the U.S. NATO has adopted a new strategic concept which emphasizes mobility and reinforcement of forces from member nations. The U.S. has identified CONUS embarkation facilities to seek possible NATO funding at Forts Hood, TX, Riley, KS, and Benning, GA; and Military Ocean Terminals Bayonne, NJ, and Sunny Point, NC. Facilities requirements will be included in Infrastructure Capability Packages (ICP) for NATO which link military requirements with force goals. ICPs will be prepared when these force goals are finalized.

Chemical Weapons Disposal

The Fiscal Year 1994 Budget contains a project in Fiscal Year 1994 to continue the incremental funding needed to construct a second Chemical Disposal facility in the United States at Anniston Army Depot, Alabama, and a project to construct a treaty verification facility to complement the disposal facility constructed at Tooele Army Depot, Utah.

Tooele Army Depot, Utah	
Treaty Verification Facility	\$ 1,500,000
Anniston Army Depot, Alabama	
Ammunition Demilitarization Facility	110,900,000

Projects for Chemical Disposal facilities to be constructed at the following remaining locations along with depot support projects will be included in subsequent budgets requests:

- Umatilla Depot Activity, Oregon
- Pine Bluff Arsenal, Arkansas
- Pueblo Depot Activity, Colorado
- Lexington-Bluegrass Army Depot, Kentucky
- Aberdeen Proving Ground, Maryland
- Newport Army Ammunition Plant, Indiana

Energy Conservation Program

The House Appropriations Committee Report #102-580, p. 3, recommends the Department include funds for energy conservation in the fiscal year 1994 budget submission along with a five year program of energy conservation. The fiscal year 1993 Appropriations Act approved \$60.5 million in Defense Agency funds to support the Department of Defense's Energy Conservation Investment Program (ECIP). The FY93 funds include \$10 million for renewable energy projects, currently under review by the Tri-Service Renewable Energy Committee, and \$0.5 million for a study on increased use of natural gas in DoD. The five year funding guidance (FY93-97) from the Office of the Secretary of Defense for the Army's portion of the remaining \$50 million was \$12.8 million/year. The Army project submission for FY93 was \$12.96 million. Army ECIP projects in excess of \$18.0 million have been identified and are under review for the FY94 program.

Construction and Basing Plans for New Major Army Weapon Systems

Section 2828 of Public Law 102-190, the FY92 Authorization Act, directs the Department of Defense to provide a full siting plan for each new major weapon system when the first increment of military construction is requested and that full siting plans for the systems be provided with the annual budget request. For the Army, there are no new major weapon systems being introduced in the FY94 Budget. Therefore, no siting plans are required.

Kwajalein Contracting and Packaging Plan

The House Appropriations Committee Report #102-74, p. 8, approved eight construction projects on Kwajalein and encouraged the Army to pursue the packaging of contracts where appropriate, to include multi-year packaging in order to achieve cost savings. A large construction package was awarded to an American contractor (H.B. Zachery of San Antonio, Texas) on 21 September 1992. The package included three Military Construction, Army projects worth \$40 million, plus BMAR and Defense funded projects totaling \$30 million. Another package was solicited in December 1992 containing two MILCON and various BMAR projects. The two Army projects should exhaust the \$47.4 million FY92 appropriation. The remaining Army projects will be solicited in May 1993 and funded using available bid savings from previous awards.

This contracting and packaging plan could result in lower construction costs. The construction cost index at Kwajalein is 2.5. Construction costs are two and one-half times the normal cost of construction in the United States because of the remoteness of Kwajalein. Once there are two contractors on site in Kwajalein, future projects should benefit from more competitive bids and reduced contractor mobilization costs.

Fiscal Year 1994

SECTION II

CONSTRUCTION FUNDED IN OTHER THAN MILITARY CONSTRUCTION

Appropriated Funds

Conference Report No. 100-498, Making Further Continuing Appropriations For The Fiscal Year Ending September 30, 1988 directed that an information exhibit be included in each budget request indicating construction to be accomplished with funds other than family housing and military construction. A listing is attached at the end of this section which includes:

- A. Procurement
- B. Other Appropriations (Major Repair and Minor Construction)
 - Research, Development, Testing and Evaluation (RDTE)
 - Operation and Maintenance, Army (OMA)
 - Operation and Maintenance, Army Reserve (OMAR)
- C. Overseas Residual Value
 - Military Construction
 - Real Property Maintenance

CONSTRUCTION FUNDED IN OTHER THAN MILCON - FY94A. Procurement

<u>APPROPRIATION/ LOCATION</u>	<u>COST PROJECT TITLE</u>	<u>ESTIMATE \$000</u>
AMMO		
Holston AAP, TN	Industrial Wastewater Monitoring System	217
Holston AAP, TN	Construct Flyash/Sanitary Landfill	1,834
Lake City AAP, MO	Replace Waste Line Building 1	306
Lone Star AAP, TX	Burners/Controls Fans - Building F-29	538
Lone Star AAP, TX	B-Line Barricades	742
Milan AAP, TN	Repair Rout 23	500
Radford AAP, VA	Access Walkways to Tanks in Solvent Area	1,333
Radford AAP, VA	Nitrogen Oxide (NOx) Abatement System	889
Radford AAP, VA	Upgrade Ventilation for Propellant Buildings	16,448
MSL		
Redstone Arsenal, AL	Rehab Rocket Motor Facility	2,300

B. Other Appropriations

(FY94 Minor Construction - projects less than \$300,000)

<u>APPROPRIATION</u>	<u>BUDGET ESTIMATE</u>
Operation & Maintenance, Army (OMA)	46,500
Research, Development, Test and Evaluation (RDTE)	1,900
Operation & Maintenance, Army Reserve (OMAR)	418
Operation & Maintenance, Army National Guard (OMANG)	5,200

CONSTRUCTION FUNDED IN OTHER THAN MILCON - FY94C. Overseas Residual Value

In accordance with guidance contained in Senate Report 102-355, page 8-9, which accompanied the FY93 MILCON Appropriations Bill, the Army is seeking to use Host Nation funding and residual value to fund infrastructure requirements overseas. The Army will first seek Host Nation Support where possible. The Army will then seek to reinvest residual value amounts into the Army's facility infrastructure requirements which support residual forces stationed at military bases outside the United States, or to permit the Host nation to construct capital improvements in lieu of direct payments. Fiscal Year 1993 legislation permits the use of residual value under two separate authorities:

Overseas Military Facility Investment Recovery Account (FY93 Defense Authorization Act, PL 102-484 (106 STAT. 2609))

This authorizes the use of residual value payments to be used overseas for facility maintenance and repair or environmental compliance. This also permits the Secretary of Defense to enter into negotiations for Payment-in-Kind, which could include construction of facilities.

Residual Value Credits (FY93 Defense Appropriations Act, PL 102-396 (106 STAT. 1913))

This permits separate accounts for NATO member states for deposit of residual value amounts which can then be used for facility construction or real property maintenance.

The Army will pursue residual value negotiations with the Host Nation governments to fund the following requirements with a combination of payment-in-kind and cash receipts.

<u>TYPE OF WORK</u>	<u>DESCRIPTION</u>	<u>COST ESTIMATE</u>
Real Property Maintenance	Repairs exceeding \$15,000	\$147,742,000
Major Construction Projects (1391s attached)		
	Grafenwoehr, GE Landfill	18,000,000
	Hohenfels, GE Upgrade Sewer System	25,000,000

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Grafenwoehr Training Area Grafenwoehr, Germany				4. PROJECT TITLE Sanitary Landfill Expansion				
5. PROGRAM ELEMENT 22056A		6. CATEGORY CODE 833	7. PROJECT NUMBER 34513		8. PROJECT COST (\$000) Auth Approp			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								15,760
Leachate Treatment Plant					LS	--	--	(5,040)
Water Proof Work					CY	98,400	61.68	(6,070)
Gas Exhaust Line					LF	5,600	26.21	(147)
Gas Wells					EA	5	14,364	(72)
Gas Collection Line					LF	2,800	26.41	(74)
Total from Continuation page								(4,357)
SUPPORTING FACILITIES								162
Electric Service					LS	--	--	(91)
Information Systems					LS	--	--	(71)
ESTIMATED CONTRACT COST								15,922
CONTINGENCY PERCENT (5.00%)								796
SUBTOTAL								16,718
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								1,087
TOTAL REQUEST								17,805
TOTAL REQUEST (ROUNDED)								18,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(4)
10. Description of Proposed Construction Expand and improve a sanitary landfill in accordance with German and US environmental requirements. Work includes leachate treatment plant, earth work, ground sealing work (to separate contaminants from ground water), drainage, gas exhaust lines and gas wells, gas collection lines, gas regulator station, gas cleaning plant, gas power plant, gas collection tank, seepage water lines, gravel road, asphalt road, maintenance building, wood shredder, utility and energy monitoring and control system (UEMCS) substation and connections, security fencing with gates, and Host Nation Testing, Quality Control, and Inspection. Supporting facilities include electric lines, lighting, and information systems. Dud clearance is required.								
11. REQUIREMENT: 22,000 TN ADEQUATE: NONE SUBSTANDARD: 17,000 TN								
PROJECT: Expand and improve a sanitary landfill at Grafenwoehr Training Area (GTA). (Current Mission)								
REQUIREMENT: This sanitary landfill expansion project is required to prevent violations of Federal (German - Host Nation) and State (Bavarian - Land) Waste Disposal and Water Protection Laws and to meet the future waste disposal requirements of the Seventh Army Training Command. It is needed before the								

1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		APRIL 1993	
Grafenwoehr Training Area, Grafenwoehr, Germany			
4. PROJECT TITLE		5. PROJECT NUMBER	
Sanitary Landfill Expansion		34513	
9. COST ESTIMATES (CONTINUED)			
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit Cost</u> <u>(\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>			
Gas Regulator Station	SF	180	143.14 (26)
Landfill Gas Cleaning Plant	LS	--	-- (202)
Gas Collection Tank	LS	--	-- (141)
Landfield Gas Torch	LS	--	-- (125)
Gas Power Plant	LS	--	-- (403)
Swer Camera	LS	--	-- (63)
Wood Shreder	LS	--	-- (137)
Laboratory Furnishing	LS	--	-- (476)
Seepage Water Line	LF	9,200	42.74 (393)
Gravel Road	SY	3,000	20.16 (60)
Asphalt Road	SY	2,000	55.44 (111)
Maintenance Building	SF	800	186.49 (149)
Landscaping/Recultivating	LS	--	-- (1,004)
EMCS Substation	LS	--	-- (71)
EMCS Connection	LF	4,100	18.95 (78)
Security Fence/Gates	LF	1,500	44.36 (67)
Hazardous Waste Storage	EA	5	14,112 (71)
Dud Clearance	AC	31	12,096 (375)
HN Testing, QC, & Insp	LS	--	-- (403)
Building Information Systems	LS	--	-- (2)
		Total	4,357
<u>REQUIREMENT: (CONTINUED)</u>			
existing sanitary landfill capacity is exceeded.			
<u>CURRENT SITUATION:</u> The existing sanitary landfill does not meet the requirements outlined in the following Host Nation (Federal and State) laws: Bavarian (State - Land) Waste Disposal and Contaminated Site Law, Part 4, Section 1; Federal Water Act Paragraphs 1A, 22, and 34; and both the Federal and the State nature protection laws. This landfill is the sole depository for refuse generated annually by the Grafenwoehr, Hohenfels, Vilseck Subcommunities, and the US Army. Approximately 17,000 tons of waste are generated annually by these communities, the USAREUR troops that deploy to the Grafenwoehr and Hohenfels training areas. To alleviate political problems, the sanitary landfill was recently rehabilitated to meet short-term environmental requirements. At the present filling rate, the rehabilitated sanitary landfill will be exceeded by June 1994. Thereafter, without this project, waste would have to be dumped on unprotected ground in violation of host nation and US waste disposal and water protection laws. Legal conflicts between the US Army and Federal Republic of Germany (FRG) could result. As it is not possible to deliver the waste to local sanitary landfills or trash incineration plants,			

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Grafenwoehr Training Area, Grafenwoehr, Germany					
4. PROJECT TITLE Sanitary Landfill Expansion				5. PROJECT NUMBER 34513	
<p><u>CURRENT SITUATION:</u> (CONTINUED) the extension of the sanitary landfill is the only alternative without violating host nation and US environmental laws.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, a serious refuse disposal problem will develop by June 1994, US and host nation environmental laws will be violated, soil and water resources will become contaminated and the health and environment of the US community will be threatened. This threat to health and damage to the environment could lead to political conflict between the US Forces and the host nation.</p> <p><u>ADDITIONAL:</u> This project has been reviewed by Headquarters US Army Europe (USAREUR) and approved by Commander-in-Chief, US Army Europe (CINCUSAREUR). It will still be required after any planned troop reductions. This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 14 July 1989. This project is not eligible for Infrastructure funding. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Sanitary Landfill Repair Phases 1 and 2 (FY 91-92) are prerequisites for this sanitary landfill extension project and they are funded under the OMA appropriation.</p>					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date..... MAR 1991					
(b) Percent Complete As Of 01 January 93 (BDGT YR).. 35					
(c) Percent Complete As Of 01 October 93 (PROG YR).. 100					
(d) Design Complete Date..... JUL 1992					
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) N					
(b) Where Design Was Most Recently Used					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications..... 620					
(b) All Other Design Costs..... 283					
(c) Total Design Cost..... 903					
(d) Contract..... 378					
(e) In-house..... 525					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Grafenwoehr Training Area, Grafenwoehr, Germany		
4. PROJECT TITLE Sanitary Landfill Expansion	5. PROJECT NUMBER 34513	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(4) Construction Start..... JAN 1993 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Or Requested</u> Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994 4
		TOTAL 4

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Hohenfels Training Area Hohenfels, Germany				4. PROJECT TITLE Upgrade Sewer System				
5. PROGRAM ELEMENT 22056A		6. CATEGORY CODE 832	7. PROJECT NUMBER 29786	8. PROJECT COST (\$000) Auth Approp				
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								
Storm Sewer Lines					LF	53,458	103.00	18,941
Clarification Basins					LS	--	--	(5,506)
Retention Basins					EA	6	244,041	(1,464)
Settling Basins					EA	6	495,858	(2,975)
Upgrade Sewage Trmt Plant					LS	--	--	(8,621)
EMCS Connection					LS	--	--	(66)
SUPPORTING FACILITIES								
Electric Service					LS	--	--	3,444
Water, Sewer, Gas					LS	--	--	(478)
Steam And/Or Chilled Water Distr					LS	--	--	(270)
Paving, Walks, Curbs, And Gutter					LS	--	--	(21)
Site Imp(1,639) Demo(271)					LS	--	--	(583)
Dud Removal					LS	--	--	(1,910)
ESTIMATED CONTRACT COST								22,385
CONTINGENCY PERCENT (5.00%)								1,119
SUBTOTAL								23,504
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								1,528
TOTAL REQUEST								25,032
TOTAL REQUEST (ROUNDED)								25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Upgrade existing sewer collection systems, sewage treatment plant, and sewage discharge system. Work consists of a denitrification system, installation or replacement of sanitary, storm, and combined sewer lines. Construct storm water clarification, retention, and settling basins; modify and upgrade sewage plant; and replace sewage discharge line. Supporting facilities include modifications to electrical and water systems; paving, walks, and curbs; site improvements; and retaining wall. Connect utility and energy monitoring and control system (UEMCS). Demolish a portion of existing sewage plant.								
11. REQUIREMENT: 193,052 LF ADEQUATE: 138,731 LF SUBSTANDARD: 7,652 LF								
PROJECT: Upgrade sewer collection, treatment, and discharge systems. (Current Mission)								
REQUIREMENT: This project is required to retain and control surface water runoff and inflow into sewage plant and upgrade components of the sewage treatment plant, which was built in 1938. This project corrects violations of sewage treatment plant permit and is necessary for continued Federal Republic of Germany (FRG) support of construction in the FY 88 through 96 Military Construction, Army (MCA) Program.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Hohenfels Training Area, Hohenfels, Germany		
4. PROJECT TITLE Upgrade Sewer System	5. PROJECT NUMBER 29786	
<p><u>CURRENT SITUATION:</u> The sewage system for Hohenfels Training Area (HTA), originally built in 1938, consists of a combined sanitary and sewer network of over 140,000 LF and a mechanical full-biological sewage system. The capacity of the system does not meet current US demands. Output of the sewage treatment plant exceeds permit requirements. The primary problem is the control of rain and surface water runoff and inflow to the sewage plant from a water shed and catchment area of 70 square kilometers. Up to 200 liters of storm water per second hits the sewage plant, overflows the valley, and discharges to the civilian community uncleaned. Due to the geological situation, the polluted storm water can reach the ground water almost unfiltered, having severe impact on US-owned water supply facilities. Oil, leaches, and acids reach the plant through the combined collection system and have a negative impact on the functional treatment system. Criteria for limited outflow concentration of biological oxygen demand (BOD5) value to degrade micro-organisms within five days), chemical oxygen demand (COD) value to degrade oxidized elements) is often exceeded. Routing storm runoff around the treatment plant is not feasible because of the large number of hardstand areas having petroleum, oils, and lubricants (POL) separators; Federal Republic of Germany (FRG) law requires POL separators to discharge into sewage treatment plants.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, severe restrictions on future operation of the HTA will continue to occur from German authorities such as Superior Finance Direction, Federal Assets Office and Water Control Office. Individual measures for storm water treatment have to be included in every project resulting in numerous small retention basins throughout the installation. Presently, there are 12 smaller basins included in construction or design of three MCA projects. The current situation is unacceptable, since floods associated with five and ten-year storms result in pollution of ground water and affect the US-owned water supply area as well as the adjacent civilian community. Environmental and property damages will continue.</p> <p><u>ADDITIONAL:</u> This project has been reviewed by Headquarters US Army Europe (USAREUR) and approved by Commander-in-Chief, US Army Europe (CINCUSAREUR). It will still be required after any planned troop reductions. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). This project is not eligible for NATO Infrastructure funding. An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Hohenfels Training Area, Hohenfels, Germany		
4. PROJECT TITLE Upgrade Sewer System	5. PROJECT NUMBER 29786	
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>FEB 1990</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		<u>45</u>
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		<u>100</u>
(d) Design Complete Date.....		<u>AUG 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>578</u>
(b) All Other Design Costs.....		<u>304</u>
(c) Total Design Cost.....		<u>882</u>
(d) Contract.....		<u>680</u>
(e) In-house.....		<u>202</u>
(4) Construction Start.....		<u>APR 1994</u>
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> Cost <u>Or Requested</u> (\$000)
None		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Alabama		Anniston Army Depot (AMC)			3
	41302	Ammunition Demilitarization Fac Ph IV	110,900	110,900	5
		Subtotal For Anniston Army Depot PART I	\$ 110,900	110,900	
		Fort Rucker (TRADOC)			9
	2095	Petroleum Lab and Fuel Storage	5,800	5,800	11
	10528	Operations Facility	1,150	1,150	14
	36037	Whole Barracks Renewal	20,000	20,000	17
		Subtotal For Fort Rucker PART I	\$ 26,950	26,950	
		* TOTAL MCA FOR Alabama	\$ 137,850	137,850	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Anniston Army Depot Alabama			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 0.79	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		6	25	3803	0	0	0
B. END FY 1999		4	2	3681	0	0	0
							TOTAL
							216
							4,050
							216
							3,903
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 15,250 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992.....						869,617	
C. AUTHORIZATION NOT YET IN INVENTORY.....						0	
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....						110,900	
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....						0	
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....						0	
G. REMAINING DEFICIENCY.....						60,579	
H. GRAND TOTAL.....						1,041,096	
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY		PROJECT		COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
216	41302	Ammunition Demilitarization Fac Ph IV		110,900	02/1987	03/1992	
				TOTAL	110,900		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
To operate a supply depot for the receipt, storage, and issue of assigned commodities, i.e., general supply and ammunition, strategic and critical materials, shelter supplies, war reserve stock, etc. To operate a depot maintenance facility for the repair, overhaul, modification, and conversion of assigned commodities, i.e., combat and tactical vehicles, artillery, small arms, ammunition, missiles, etc. To provide installation support to attached organizations, and to operate assigned facilities.							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Anniston Army Depot Alabama			4. PROJECT TITLE Ammunition Demilitarization Fac Ph IV		
5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 100	7. PROJECT NUMBER 41302	8. PROJECT COST (\$000) Auth 110,900 Approp 110,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					97,145
Munitions Demil Building		SF	82,466	739.86	(61,013)
Process & Utility Building		SF	20,200	321.52	(6,495)
Container Handling Building		SF	37,300	264.03	(9,848)
Corridor		SF	6,500	264.03	(1,716)
Personnel Support Building		SF	12,767	194.29	(2,481)
Total from Continuation page					(15,592)
SUPPORTING FACILITIES					29,462
Electric Service		LS	--	--	(10,539)
Water, Sewer, Gas		LS	--	--	(4,190)
Paving, Walks, Curbs And Gutters		LS	--	--	(5,194)
Storm Drainage		LS	--	--	(976)
Site Imp(7,632) Demo()		LS	--	--	(7,632)
Information Systems		LS	--	--	(931)
ESTIMATED CONTRACT COST					126,607
CONTINGENCY PERCENT (8.00%)					10,129
SUBTOTAL					136,736
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					8,204
TOTAL REQUEST					144,940
TOTAL REQUEST (ROUNDED)					145,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(198,691)
10. Description of Proposed Construction Construct a Chemical Stockpile Disposal Program (CSDP) facility using incremental authorizations and appropriations. This request is for Increment IV (\$110.9 million). Increment I for site preparation (Project Number (PN) 35170, \$4.9 million) was approved in the FY 91 MCA program. Increment II (PN 34889, \$29.2 million) was approved in the FY 92 MCA program. Funds in the amount of \$67.0 million were reprogrammed from the \$96.2 million originally provided in FY 92 for PN 34889. Increment III PN 39202, (\$10.0 million, in authorization only) was approved in the FY 93 program. This project, at full funding and authorization, will result in the construction of a site-adapted toxic chemical munitions demilitarization (Demil) complex to process lethal chemical munitions. Primary facilities include ammunition demilitarization building (MDB) with blast containment area connected by an enclosed corridor to a munitions container handling building; a process utilities building with bulk chemical storage, brine reduction facilities, and a boiler room; a personnel and maintenance facility with change rooms, maintenance storage facility, and medical treatment area; a process support and administrative building; a chemical analysis laboratory; an entry control facility; and office/storage space and laboratory for non-US inspectors and associated US escorts. Special features include blast doors; fire protection;					

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Anniston Army Depot, Alabama			
4. PROJECT TITLE		5. PROJECT NUMBER	
Ammunition Demilitarization Fac Ph IV		41302	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
PRIMARY FACILITY (CONTINUED)			
Personnel Maintenance Building	SF	18,683	214.80 (4,013)
Entry Control Facility	SF	1,243	814.06 (1,012)
Laboratory	SF	8,400	572.13 (4,806)
Warehouse	SF	28,000	58.04 (1,625)
Treaty Compliance Facility	SF	3,032	389.84 (1,182)
Guard House	SF	1,600	71.79 (115)
IDS Installation	LS	--	-- (1,408)
Building Information Systems	LS	--	-- (1,431)
		Total	15,592
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)			
<p>a cascading heating, ventilation, and air conditioning (HVAC) system with airlocks for agent containment; special air filtration; special personnel protective clothing area; toxic chemical resistive coatings and surfaces; explosion-proof electrical fixtures; and information systems. Install an intrusion detection system (IDS). Supporting facilities include utilities; waste water treatment plant; electric service; an electrical substation; lighting and static protection system; standby electric generators with bypass isolation switches; paving, walks, curbs and gutters; access road; fire protection and alarm systems; storm drainage; security fencing, gates and lighting; fuel storage and distribution; information systems; and site improvements. Heating will be provided by gas-fired, self-contained system and air conditioning (500 tons) will be provided by self-contained units.</p>			
11. REQUIREMENT: 217,159 SF ADEQUATE: NONE SUBSTANDARD: NONE			
PROJECT: Construct a toxic chemical munitions demilitarization complex to dispose of lethal chemical agent munitions stored at Anniston Army Depot. (New Mission)			
REQUIREMENT: This project is required to provide the capability to demilitarize and dispose of the toxic chemical agents and munitions stored at this location in a safe, environmentally acceptable manner. Congress has mandated the disposal of the existing unitary chemical stockpile. The Army submitted an implementation plan to Congress in March 1988, in response to a specific Congressional request, which cites this facility as an integral and essential part of the chemical stockpile disposal program.			
CURRENT SITUATION: Rockets, mines, projectiles, and one-ton containers containing lethal chemical agents are stored in igloos at the installation some showing rapid deterioration. These munitions are of no strategic value, but they must be safely stored and inspected to ensure that there is no risk to the public or the environment. The monitoring and surveillance costs for			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Anniston Army Depot, Alabama		
4. PROJECT TITLE Ammunition Demilitarization Fac Ph IV	5. PROJECT NUMBER 41302	
<p><u>CURRENT SITUATION:</u> (CONTINUED) safe storage continue to accrue. No other acceptable disposal facilities are available.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Army will not be able to comply with the Congressional mandate for chemical munitions stockpile disposal. Also, maintenance and surveillance costs will continue to grow as the agents and munitions deteriorate with age. The threat to the health of Depot employees and the environment will continue.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	FEB 1987	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	100	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d) Design Complete Date.....	MAR 1992	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	2,400	
(b) All Other Design Costs.....	2,400	
(c) Total Design Cost.....	2,400	
(d) Contract.....	2,400	
(e) In-house.....		
(4) Construction Start..... APR 1994 month & year		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																																					
3. INSTALLATION AND LOCATION Anniston Army Depot, Alabama																																							
4. PROJECT TITLE Ammunition Demilitarization Fac Ph IV	5. PROJECT NUMBER 41302																																						
12. SUPPLEMENTAL DATA: (CONTINUED)																																							
B. Equipment associated with this project which will be provided from other appropriations:																																							
<table border="0"> <thead> <tr> <th data-bbox="104 478 484 548"><u>Equipment Nomenclature</u></th> <th data-bbox="484 478 746 548"><u>Procuring Appropriation</u></th> <th data-bbox="746 478 912 548"><u>Fiscal Year Appropriated Or Requested</u></th> <th data-bbox="912 478 1004 548"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1992</td> <td>18,965</td> </tr> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1993</td> <td>76,342</td> </tr> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1994</td> <td>66,429</td> </tr> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1995</td> <td>35,373</td> </tr> <tr> <td>IDS Equipment</td> <td>OPA</td> <td>1992</td> <td>751</td> </tr> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td>57</td> </tr> <tr> <td>Info Sys - PROP</td> <td></td> <td>1994</td> <td>774</td> </tr> <tr> <td></td> <td></td> <td>TOTAL</td> <td>198,691</td> </tr> </tbody> </table>	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	Process Equipment	CAMD.D	1992	18,965	Process Equipment	CAMD.D	1993	76,342	Process Equipment	CAMD.D	1994	66,429	Process Equipment	CAMD.D	1995	35,373	IDS Equipment	OPA	1992	751	Info Sys - ISC	OPA	1994	57	Info Sys - PROP		1994	774			TOTAL	198,691			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>																																				
Process Equipment	CAMD.D	1992	18,965																																				
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Info Sys - ISC	OPA	1994	57																																				
Info Sys - PROP		1994	774																																				
		TOTAL	198,691																																				

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Port Rucker Alabama			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.85	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1468	2598	2943	1225	1065	11
B. END FY 1999		1275	2405	2898	1561	529	6
		40	42	4445	13,837		
		40	42	4445	13,201		
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 59,934 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 976,191							
C. AUTHORIZATION NOT YET IN INVENTORY..... 0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 26,950							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 500							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0							
G. REMAINING DEFICIENCY..... 54,437							
H. GRAND TOTAL..... 1,058,078							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
124	2095	Petroleum Lab and Fuel Storage		5,800	01/1991	12/1991	
141	10528	Operations Facility		1,150	01/1991	08/1993	
721	36037	Whole Barracks Renewal		20,000	04/1992	10/1993	
TOTAL				26,950			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
179	Combat Pistol Range		500				
TOTAL				500			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides facilities and support for the Army Aviation Center and School whose mission is to provide individual pilot training for all fixed wing and rotary wing aircraft and advanced doctrines and techniques.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
<p style="text-align: center;">INSTALLATION AND LOCATION: Fort Rucker Alabama</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Rucker Alabama			4. PROJECT TITLE Petroleum Lab and Fuel Storage		
5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 124	7. PROJECT NUMBER 2095	8. PROJECT COST (\$000) Auth 5,800 Approp 5,800		
9. COST ESTIMATES					
ITEM		U/H	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					4,960
Laboratory Building		SF	4,300	148.25	(637)
Earth & Concrete Berms		LS	--	--	(1,471)
Above Ground Tanks (7 EA)		GA	714,000	.95	(678)
Piping & Equipment		LS	--	--	(1,765)
Fire Protection		LS	--	--	(407)
Building Information Systems		LS	--	--	(2)
SUPPORTING FACILITIES					250
Electric Service		LS	--	--	(207)
Water, Sewer, & Gas		LS	--	--	(16)
Site Imp(21) Demo()		LS	--	--	(21)
Information Systems		LS	--	--	(6)
ESTIMATED CONTRACT COST					5,210
CONTINGENCY PERCENT (5.00%)					261
SUBTOTAL					5,471
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					328
TOTAL REQUEST					5,799
TOTAL REQUEST (ROUNDED)					5,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(1)
10. Description of Proposed Construction Construct seven aboveground aviation fuel storage tanks, a fuel acceptance testing laboratory, separator, foam buildings, berms, piping, filtering equipment, truck fill and unloading stands, and connection of the new tanks into existing adjacent facilities. Supporting facilities include utilities, electric service, area lighting, fire protection and alarm systems, paving, security fencing, parking, and site improvements. Heating and air conditioning will be provided.					
11. REQUIREMENT: 882,000 GA ADEQUATE: 168,000 GA SUBSTANDARD: NONE					
PROJECT: Construct aircraft fuel storage tanks and a fuel acceptance testing laboratory. (Current Mission)					
REQUIREMENT: This project is required to provide storage for a seven-day supply of aviation fuel and an adequate fuel testing acceptance laboratory. Fort Rucker's average daily fuel requirement is 120,000 gallons of various aviation fuels. The added tankage will be built as an extension of the existing storage areas. Incoming aircraft fuel must be sampled and tested before it is accepted and delivered to storage tanks at the four training fields.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Rucker, Alabama		
4. PROJECT TITLE Petroleum Lab and Fuel Storage	5. PROJECT NUMBER 2095	
<p><u>CURRENT SITUATION:</u> There are 462,000 gallons of fuel storage at the four training fields and on main post. This capacity represents less than four days training requirements. As a result, fuel is delivered daily to insure a readily available supply. These tanks do not meet standards required for Underground Storage Tanks (USTs). Some are leaking and are being removed at this time using environmental funds. After replacement by this project, the other tanks are required to be decommissioned and will be removed as additional environmental funds become available. The fuel acceptance testing laboratory is now housed in a temporary building and a trailer. Both are inadequate. Training requirements are projected to decrease by only 3.5 percent by 1998.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, aviation training operations will have only a three and a half day supply of fuel. Any delays in fuel delivery longer than three days will cause delays in flight training. The inefficient fuel acceptance testing will continue to cause delays and shortfall in supply.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		MAR 1993
(b) Percent Complete As Of 01 January 93 (BDGT YR)...		_____
(c) Percent Complete As Of 01 October 93 (PROG YR)...		60
(d) Design Complete Date.....		JAN 1994
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		232
(b) All Other Design Costs.....		193
(c) Total Design Cost.....		425

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Rucker, Alabama					
4. PROJECT TITLE Petroleum Lab and Fuel Storage				5. PROJECT NUMBER 2095	
12. SUPPLEMENTAL DATA: (Continued)					
A. Estimated Design Data: (Continued)					
(d) Contract.....					25
(e) In-house.....					400
(4) Construction Start.....					AUG 1994 month & year
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature.	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
Info Sys - ISC	OPA	1994	1		
		TOTAL	1		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Rucker Alabama				4. PROJECT TITLE Operations Facility				
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 10528		8. PROJECT COST (\$000) Auth 1,150 Approp 1,150			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								713
CIDC Field Operations Building					SF	7,080	94.27	(668)
IDS Installation					LS	--	--	(1)
Building Information Systems					LS	--	--	(44)
<u>SUPPORTING FACILITIES</u>								317
Electric Service					LS	--	--	(36)
Water, Sewer, Gas					LS	--	--	(10)
Paving, Walks, Curbs And Gutters					LS	--	--	(54)
Storm Drainage					LS	--	--	(5)
Site Imp(53) Demo(31)					LS	--	--	(84)
Information Systems					LS	--	--	(128)
ESTIMATED CONTRACT COST								1,030
CONTINGENCY PERCENT (5.00%)								52
SUBTOTAL								1,082
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								65
TOTAL REQUEST								1,147
TOTAL REQUEST (ROUNDED)								1,150
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(45)
10. Description of Proposed Construction Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Work includes administrative space, polygraph suite with acoustic isolation and environmental control, repository for drugs and perishable evidence, physical isolation screening room area for suspects, personnel observation and interview areas, photo identification, fingerprint room, and supply area. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarm systems; paving, walks, curbs and gutters; remove existing fencing; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating will be provided by heat exchangers. Air conditioning: 24 tons. Demolish three temporary buildings (8,642 SF) within the footprint.								
11. REQUIREMENT: 7,080 SF ADEQUATE: NONE SUBSTANDARD: 5,310 SF PROJECT: Construct a modified standard-design CIDC specialized field operations building. (Current Mission)								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Rucker, Alabama					
4. PROJECT TITLE Operations Facility				5. PROJECT NUMBER 10528	
<p>REQUIREMENT: This project is required to provide operational facilities for the Fort Rucker Field Office US Army Criminal Investigation Command (USACIDC). The facility will be occupied by 12 CID personnel and four Military Police Investigators, Drug Suppression Team. This organization necessarily requires special purpose areas to properly conduct its investigative activities. There are no facilities, on or off the installation, which can satisfy the mission requirements.</p> <p>CURRENT SITUATION: The Fort Rucker Field Office, USACIDC, currently occupies 5,310 SF in a World War II temporary barracks. This building is not properly constructed or configured for criminal investigative activities. The segregation of victims from suspects and the confidentiality of witnesses is a severe problem. The evidence room does not meet regulatory standards. The structural configuration and noise in the building, due to the heating and air conditioning system, severely degrade efficient and proper operations. The facility is not suitable for special functions such as polygraph operations.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the USACIDC Fort Rucker Field Operations will continue to be denied the adequate facilities required to do its mission. Witnesses will continue to be subject to compromise. Productivity will not improve. Morale will continue to suffer.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date..... <u>JAN 1991</u>					
(b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>35</u>					
(c) Percent Complete As Of 01 October 93 (PROG YR).. <u>100</u>					
(d) Design Complete Date..... <u>AUG 1993</u>					
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) N					
(b) Where Design Was Most Recently Used					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications..... <u>57</u>					

1. COMPONENT <u>ARMY</u>	FY <u>1994</u> <u>MILITARY CONSTRUCTION PROJECT DATA</u>	2. DATE <u>APRIL 1993</u>
3. INSTALLATION AND LOCATION <u>Fort Rucker, Alabama</u>		
4. PROJECT TITLE <u>Operations Facility</u>		5. PROJECT NUMBER <u>10528</u>
12. <u>SUPPLEMENTAL DATA:</u> (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....		<u>35</u>
(c) Total Design Cost.....		<u>92</u>
(d) Contract.....		<u>69</u>
(e) In-house.....		<u>23</u>
(4) Construction Start.....		<u>DEC 1993</u> month & year
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u> <u>Cost</u> <u>(\$000)</u>
IDS Equipment	OPA	1994 7
Info Sys - ISC	OPA	1994 38
		<u>TOTAL</u> 45

1. COMPONENT		2. DATE
ARMY FY 1994 MILITARY CONSTRUCTION PROJECT DATA		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Rucker, Alabama		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		36037
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>will contribute to the health, welfare, and morale of the service members.</p> <p><u>CURRENT SITUATION:</u> The five barracks currently provide living quarters for 883 enlisted personnel. Barracks were constructed in 1958 and remodeled in 1975. All systems have deteriorated; chilled water piping leaks and drips throughout the buildings; lighting and electric do not meet standards, and heating systems are inadequate, inefficient and antiquated. The overall maintenance needs of these buildings are excessive. Current building layouts do not meet current standards and requirements of the Army.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, soldiers will continue to live in substandard facilities. As a result, major systems will fail, and cost of maintenance and repair will continue to escalate. Goals of the Army's Installation of Excellence Programs will not be met, which may directly affect the soldiers' morale, leading to loss of quality support to the Army.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a)	Design Start Date.....	APR 1992
(b)	Percent Complete As Of 01 January 93 (BDGT YR)..	35
(c)	Percent Complete As Of 01 October 93 (PROG YR)..	100
(d)	Design Complete Date.....	OCT 1993
(2) Basis:		
(a)	Standard or Definitive Design - (YES/NO) N	
(b)	Where Design Was Most Recently Used	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a)	Production of Plans and Specifications.....	792
(b)	All Other Design Costs.....	198
(c)	Total Design Cost.....	990
(d)	Contract.....	
(e)	In-house.....	990

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Rucker, Alabama			
4. PROJECT TITLE Whole Barracks Renewal		5. PROJECT NUMBER 36037	
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(4) Construction Start..... JAN 1994 month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994	53
		TOTAL	53

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Arizona		Fort Huachuca (TRADOC)			23
	1814	Battalion Headquarters	4,800	4,800	25
	38773	General Purpose Administrative Facility	4,050	4,050	28
		Subtotal For Fort Huachuca PART I	\$ 8,850	8,850	
		* TOTAL MCA FOR Arizona	\$ 8,850	8,850	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM						2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Huachuca Arizona				4. COMMAND US Army Training and Doctrine Command				5. AREA CONSTRUCTION COST INDEX 1.12			
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED		TOTAL			
A. AS OF 30 SEP 1992		691	3264	2879	589	652	7	28	111	2688	10,909
B. END FY 1999		682	4357	3213	500	1706	7	58	175	3921	14,619
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE.....		87,222 AC									
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,189,891									
C. AUTHORIZATION NOT YET IN INVENTORY.....		0									
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		8,850									
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		19,900									
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0									
G. REMAINING DEFICIENCY.....		48,490									
H. GRAND TOTAL.....		1,267,131									
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:											
CATEGORY		PROJECT						COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE						(\$000)	START	COMPLETE	
141	1814	Battalion Headquarters						4,800	02/1992	09/1993	
610	38773	General Purpose Administrative Facility						4,050	04/1992	11/1993	
TOTAL							8,850				
9. FUTURE PROJECTS:											
CATEGORY						COST					
CODE	PROJECT TITLE						(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:											
171	General Instruction Building						8,500				
721	Whole Barracks Renewal						11,400				
TOTAL							19,900				
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE											
10. MISSION OR MAJOR FUNCTIONS:											
The current mission of Fort Huachuca is to provide logistical, administrative, legal, financial, supply, and community service support to tenant organizations including an Army Major Field Command (US Army Information Systems Command, USAISC), an USAISC Major Subcommand Headquarter element (Information Systems Engineering Command), 11th Signal Brigade, an Army Major Class II Activity (US Army Electronic Proving Ground), a Major TRADOC Activity (Army Intelligence Center and School), several Department of											

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Huachuca Arizona										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>Defense Activities to include the Joint Test Element of the Joint Tactical Command, Control and Communications Agency, area AMC and FORSOON Activities, and approximately 20 other tenant elements.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="194 557 801 642"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
ARMY						APRIL 1993		
3. INSTALLATION AND LOCATION				4. PROJECT TITLE				
Fort Huachuca Arizona				Battalion Headquarters				
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)		
33196A		141		1814		Auth 4,800 Approp 4,800		
9. COST ESTIMATES								
ITEM					U/H	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								3,771
Battalion Headquarters Building					SF	35,310	101.27	(3,576)
Building Information Systems					LS	--	--	(195)
SUPPORTING FACILITIES								552
Electric Service					LS	--	--	(148)
Water, Sewer, & Gas					LS	--	--	(42)
Paving, Walks, Curbs & Gutters					LS	--	--	(288)
Storm Drainage					LS	--	--	(12)
Site Imp(18) Demo()					LS	--	--	(18)
Information Systems					LS	--	--	(44)
ESTIMATED CONTRACT COST								4,323
CONTINGENCY PERCENT (5.00%)								216
SUBTOTAL								4,539
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								272
TOTAL REQUEST								4,811
TOTAL REQUEST (ROUNDED)								4,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(188)
10. Description of Proposed Construction								
Construct a battalion headquarters building. Project includes administrative space, classrooms for organizational training, vault, technical library, and latrines. Applied instruction area will include administration space, electronic installation training, storage, loading dock, and latrines. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; access roads and parking; storm drainage; information systems; and site improvements. Heating will be provided by self-contained systems. Access for the handicapped will be provided. Evaporative cooling: 160,000 CFM. Project will include furniture related comprehensive interior design.								
11. REQUIREMENT: 35,310 SF ADEQUATE: NONE SUBSTANDARD: 44,065 SF								
PROJECT: Construct a battalion headquarters building. (Current Mission)								
REQUIREMENT: This project is required to provide a facility for the 1199th Signal Battalion to support a battalion headquarters and to teach unique communication equipment installation courses. The classrooms will be utilized for group learning, individual problem testing, team testing, Training and Doctrine Command (TRADOC) approved technical training, mandatory and special military training. The 1199th Signal Battalion is assigned to Fort Huachuca								

1. COMPONENT		2. DATE
ARMY FY 1994 MILITARY CONSTRUCTION PROJECT DATA		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Huachuca, Arizona		
4. PROJECT TITLE		5. PROJECT NUMBER
Battalion Headquarters		1814
<u>REQUIREMENT:</u> (CONTINUED)		
and provides support to the US Army's worldwide communications mission. There are no permanent facilities at Fort Huachuca that can be used to meet this requirement. This project will provide permanent consolidated facilities for battalion headquarters, classrooms and support functions.		
<u>CURRENT SITUATION:</u> The present facilities occupied by 1199th Signal Battalion consist of mobilization World War II-era hospital wards which were converted to other uses prior to being used as a battalion headquarters. The age of the buildings and rapid deterioration causes intensive and costly maintenance to meet minimum standards of repair. Safety and security are minimal and the threat of fire is high. Some buildings used for supply operations are located over a quarter of a mile from the headquarters operations. The complex is located two miles from the troop cantonment area, dining facilities and other support services. The buildings are heated using a temporary, leased boiler system installed when the original system was destroyed by a July 1987 fire. Insulation in the buildings is poor or nonexistent and electrical systems are marginal and often inadequate to handle present loads. Once vacated, all buildings will be demolished.		
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the 1199th Signal Battalion will continue to use substandard World War II buildings which are marginal in safety. The threat of fire will remain high with loss of life a possibility. The overall readiness of the 1199th Signal Battalion's unique mission to install, rehabilitate, and modify major communications-electronic equipment and systems will be impaired. Excessive operation and maintenance costs will continue to be incurred. Facility retention will not be in consonance with Headquarters, Department of the Army directed policy to provide quality facilities for soldiers and to meet World War II facility reduction targets.		
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		FEB 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		35

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Huachuca, Arizona			
4. PROJECT TITLE Battalion Headquarters	5. PROJECT NUMBER 1814		
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100	
(d) Design Complete Date.....		SEP 1993	
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) Y			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		285	
(b) All Other Design Costs.....		145	
(c) Total Design Cost.....		430	
(d) Contract.....			
(e) In-house.....		430	
(4) Construction Start.....		JAN 1994 month & year	
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Info Sys - ISC	OPA	1994	176
Info Sys - PROP	OPA	1994	12
		TOTAL	188

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Huachuca Arizona			4. PROJECT TITLE General Purpose Administrative Facility					
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 610	7. PROJECT NUMBER 38773		8. PROJECT COST (\$000) Auth 4,050 Approp 4,050			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								
Administrative Building					SF	32,562	94.00	3,402
IDS Installation					LS	--	--	(15)
Building Information Systems					LS	--	--	(326)
SUPPORTING FACILITIES								
Paving, Walks, Curbs And Gutters					LS	--	--	240
Site Imp(141) Demo()					LS	--	--	(99)
								(141)
ESTIMATED CONTRACT COST								3,642
CONTINGENCY PERCENT (5.00%)								182
SUBTOTAL								3,824
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								229
TOTAL REQUEST								4,053
TOTAL REQUEST (ROUNDED)								4,050
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(774)
10. Description of Proposed Construction Construct a general purpose administrative building. Project includes mechanical, electrical fire protection and information systems. Install an intrusion detection system (IDS). Supporting facilities include paving, walks, curbs and gutters; parking; and site improvements. Access for the handicapped will be provided. Heating and air conditioning (100 tons) will be provided by a central gas-fired heating and electric-powered cooling plant. Comprehensive interior design services for building, freestanding building related information systems equipment (OPA furnished), and system furniture work stations will be required.								
11. REQUIREMENT: 291,939 SF ADEQUATE: 219,939 SF SUBSTANDARD: 267,454 SF								
PROJECT: Construct a general purpose administrative building. (Current Mission)								
REQUIREMENT: This project is required to support the Directorate of Training and Doctrine (DOTD) and specialized activities of the Intelligence Center and Fort Huachuca (IC&FH). This facility will consolidate instructional and administrative support functions, sensitive compartmented information facility (SCIF) work area, and doctrine development and distribution.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993								
3. INSTALLATION AND LOCATION Fort Huachuca, Arizona										
4. PROJECT TITLE General Purpose Administrative Facility	5. PROJECT NUMBER 38773									
<p><u>CURRENT SITUATION:</u> The DOTD occupies a variety of temporary buildings at Fort Huachuca. The World War II wooden facilities are unsuitable for modification or long term retention. The buildings lack adequate power, are of unsuitable configuration and cannot support state-of-the-art office, special purpose and specifically automated data processing equipment. Unreliable building heating and cooling systems hamper and disrupt instruction operations and endanger expensive equipment which can be damaged by high humidity. School required secure areas cannot be upgraded nor meet the stringent requirements for physical and electronic security or secure compartmented requirements. Maintenance and operation costs, particularly heating and cooling are proportionally high due to current facility conditions. Physical separation of the many facilities greatly impedes efficient use of all resources. Consolidation of activities will improve the efficiency of the organization as well as morale of personnel working under current conditions.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, DOTD will continue to be housed in substandard facilities unsuitable for supporting current and future training, equipment, and missions at Fort Huachuca. The opportunity to logically address personnel and operational consolidations will be lost. Current facility conditions will continue to deteriorate requiring additional operational expense and significantly interfere with providing responsive support to the Intelligence Center and School.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Heating and cooling and distribution lines will be provided by a Central Heating and Cooling Plant to be constructed under Base Realignment and Closure-1 (BRAC-1) FY 93 Project 38247. Roadway and sidewalk improvements to Cibecue Street are included in BRAC-91 (FY 94) Road System Upgrade Project 38130. FY 93 BRAC 91 Project 38772 will complete the total building.</p>										
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td>APR 1992</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td>35</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td>90</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td>NOV 1993</td> </tr> </table>			(a) Design Start Date.....	APR 1992	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	(c) Percent Complete As Of 01 October 93 (PROG YR)..	90	(d) Design Complete Date.....	NOV 1993
(a) Design Start Date.....	APR 1992									
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35									
(c) Percent Complete As Of 01 October 93 (PROG YR)..	90									
(d) Design Complete Date.....	NOV 1993									

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Huachuca, Arizona			
4. PROJECT TITLE General Purpose Administrative Facility	5. PROJECT NUMBER 38773		
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		<u>240</u>	
(b) All Other Design Costs.....		<u>314</u>	
(c) Total Design Cost.....		<u>554</u>	
(d) Contract.....			
(e) In-house.....		<u>554</u>	
(4) Construction Start.....		<u>FEB 1994</u> month & year	
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS Equipment	OPA	1994	350
EMCS DEVICES	OPA	1994	17
Info Sys - ISC	OPA	1994	247
Info Sys - PROP	OPA	1994	160
		TOTAL	<u>774</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION	PAGE
			REQUEST	REQUEST	
California		Port Irwin (FORSCOM)			33
	31981	Whole Barracks Renewal	5,900	5,900	35
		Subtotal For Port Irwin PART I	\$ 5,900	5,900	
		* TOTAL MCA FOR California	\$ 5,900	5,900	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Irwin California			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.30	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		648	3684	688	0	0	0
B. END FY 1999		661	4168	872	0	0	0
					9	12	1295
					13	25	1862
							6,336
							7,601
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		636,182 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		940,189					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		5,900					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		15,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		81,286					
H. GRAND TOTAL.....		1,042,375					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY		PROJECT		COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	31981	Whole Barracks Renewal		5,900	07/1992	11/1993	
				TOTAL	5,900		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
214	Consolidated Maintenance Facility		15,000				
				TOTAL	15,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		NONE					
10. MISSION OR MAJOR FUNCTIONS:							
<p>The National Training Center (NTC) is an advanced collective training facility located at Fort Irwin, CA. Its mission is to provide advanced collective training opportunities to the task-organized elements of FORSCOM close-combat heavy brigades within the context of the overall FORSCOM training strategy and in accordance with AirLand Battle doctrine.</p>							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Irwin California				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 721	7. PROJECT NUMBER 31981		8. PROJECT COST (\$000) Auth 5,900 Approp 5,900			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								4,384
Enlisted Barracks					SF	39,960	107.21	(4,285)
Building Information Systems					LS	--	--	(99)
<u>SUPPORTING FACILITIES</u>								942
Electric Service					LS	--	--	(192)
Water, Sewer, Gas					LS	--	--	(158)
Steam And/Or Chilled Water Distr					LS	--	--	(14)
Paving, Walks, Curbs And Gutters					LS	--	--	(232)
Storm Drainage					LS	--	--	(71)
Site Imp(268) Demo()					LS	--	--	(268)
Information Systems					LS	--	--	(7)
ESTIMATED CONTRACT COST								5,326
CONTINGENCY PERCENT (5.00%)								266
SUBTOTAL								5,592
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								336
TOTAL REQUEST								5,928
TOTAL REQUEST (ROUNDED)								5,900
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Construct an enlisted barracks. Work includes living/sleeping rooms with private bath and walk-in closets, laundry room, day room, mailroom, storage, and physical equipment exercise space. Supporting facilities include utilities; electric service; security lighting; fire protection and alarm systems; paving, walks, curbs and gutters; parking; picnic and recreational areas; information systems, and site improvements. Access for the handicapped will be provided. Heating and air conditioning (100 tons) will be provided by a self-contained unit.								
11. REQUIREMENT: 2,036 PN ADEQUATE: 1,508 PN SUBSTANDARD: 616 PN								
PROJECT: Construct an enlisted barracks to meet the Whole Barracks Renewal Program Standard. (Current Mission)								
REQUIREMENT: This project is required to provide adequate housing for 100 E1-E4, and 24 E5-E6, (intended utilization) with a maximum utilization of 148 personnel. The restationing of additional troops at Fort Irwin for the brigade operations function of the National Training Center, fewer married enlisted soldiers, and lack of adequate permanent barracks on-post for single soldiers, makes this barracks project necessary.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Irwin, California		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 31981	
<p>CURRENT SITUATION: No adequate housing exists for single enlisted personnel incoming for brigade operations. Temporary existing barracks buildings will be utilized until this project is completed. The existing facilities cannot be upgraded to minimum standards due to their age, size, and design.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the single enlisted soldiers of the Fort Irwin Combat Training Center will continue to be housed in temporary facilities. Lack of operations and supply space adjacent to the barracks will fragment these functions throughout the area. Continued occupancy of temporary facilities will adversely impact the Rotational Troop Brigade Operation training mission of the National Training Center.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		JUL 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		35
(c) Percent Complete As Of 01 October 93 (PROG YR)..		95
(d) Design Complete Date.....		NOV 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		336
(b) All Other Design Costs.....		189
(c) Total Design Cost.....		525
(d) Contract.....		
(e) In-house.....		525
(4) Construction Start.....		
		MAR 1994
		month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993								
3. INSTALLATION AND LOCATION Fort Irwin, California										
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 31981									
<p>12. SUPPLEMENTAL DATA: (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0"> <thead> <tr> <th data-bbox="125 508 260 548">Equipment Nomenclature</th> <th data-bbox="456 508 605 548">Procuring Appropriation</th> <th data-bbox="733 486 871 548">Fiscal Year Appropriated Or Requested</th> <th data-bbox="902 508 967 548">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="4" data-bbox="501 571 550 589" style="text-align: center;">None</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	None			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)							
None										

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Colorado		Fort Carson (FORSCOM)			41
	2220	Range Control Facility	4,050	4,050	43
		Subtotal For Fort Carson PART I	\$ 4,050	4,050	
		* TOTAL MCA FOR Colorado	\$ 4,050	4,050	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM						2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Carson Colorado			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.03		
6. PERSONNEL STRENGTH:								
	PERMANENT			STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	TOTAL
A. AS OF 30 SEP 1992	1640	15224	2030	0	188	0	17	19,838
B. END FY 1999	2034	16548	2223	0	128	0	59	22,342
7. INVENTORY DATA (\$000)								
A. TOTAL ACREAGE.....	137,391 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,648,635							
C. AUTHORIZATION NOT YET IN INVENTORY.....	0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	4,050							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	95,900							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0							
G. REMAINING DEFICIENCY.....	66,799							
H. GRAND TOTAL.....	1,815,384							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:								
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS		
CODE	NUMBER			(\$000)		START	COMPLETE	
171	2220	Range Control Facility		4,050		02/1991	09/1993	
				TOTAL		4,050		
9. FUTURE PROJECTS:								
CATEGORY PROJECT		PROJECT TITLE		COST				
CODE				(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:								
721		Whole Barracks Renewal		21,600				
214		Hardstand/Tactical Equipment Shop Addition		5,100				
211		Aviation Maintenance Hangar		15,500				
842		Utilities Upgrade		2,700				
721		Whole Barracks Renewal		51,000				
				TOTAL 95,900				
10. MISSION OR MAJOR FUNCTIONS:								
Provide support and training to the 4th Infantry Division (Mech) and other non-divisional units assigned to Fort Carson. Provide command over all assigned and attached units. Organize and train all units to ensure their combat readiness and ability to fully support the installation's mobilization mission. Provide command and control for Fort Missoula, Montana and for the Pinon Canyon Maneuver Site located in southeast Colorado. Provide support required by AR 5-9 to US Army Reserve Centers located in eight midwestern and								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Port Carson Colorado										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) western states.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="91 500 698 583"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">13,200</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	13,200	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	13,200									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
Army					APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
Fort Carson Colorado				Range Control Facility		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
22696A		171	2220	Auth	4,050	Approp
					4,050	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
						COST (\$000)
PRIMARY FACILITY						
Range Operations Building				SF	24,900	90.26
Unusual Foundation				SF	24,900	4.45
Target/Lumber Storage Shed				SF	3,600	37.44
Range Equipment Wash Pad				LS	---	---
Range Parking/Outdoor Storage				SY	7,000	47.30
Total from Continuation page						3,077
SUPPORTING FACILITIES						
Electric Service				LS	---	---
Water, Sewer, & Gas				LS	---	---
Paving, Walks, Curbs & Gutters				LS	---	---
Storm Drainage				LS	---	---
Site Imp(142) Demo()				LS	---	---
Information Systems				LS	---	---
						575
						(55)
						(125)
						(126)
						(65)
						(142)
						(62)
ESTIMATED CONTRACT COST						3,652
CONTINGENCY PERCENT (5.00%)						183
SUBTOTAL						3,835
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						230
TOTAL REQUEST						4,065
TOTAL REQUEST (ROUNDED)						4,050
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(26)
10. Description of Proposed Construction Construct a central range control facility. Primary facilities include all construction within the perimeter of the range complex and consist of range operations building, supply activities, electrical shop, welding shop, carpenter shop, maintenance shop, storage and space for the range telephone operator, wash pad, parking, outside buildings for lumber and bulk storage of targets, antenna tower, and fenced outside storage area. A building and tower must be built on a down-range mountain to support the communications tower at the complex. Special foundation work is required. Supporting facilities include facilities outside the range complex perimeter and consist of utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; roads; storm drainage; security fencing; information systems; and site improvements. Heating will be provided by a self-contained gas-fired boiler. Access for the handicapped will be provided in the control facility only. Mechanical ventilation: 50,000 CFM.						
11. REQUIREMENT: 24,900 SF ADEQUATE: NONE SUBSTANDARD: 7,292 SF						
PROJECT: Construct a range control complex. (Current Mission)						

1. COMPONENT Army		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Carson, Colorado					
4. PROJECT TITLE Range Control Facility				5. PROJECT NUMBER 2220	
9. COST ESTIMATES (CONTINUED)					
Item	U/M	QTY	Unit COST	Cost (\$000)	
PRIMARY FACILITY (CONTINUED)					
Antenna Tower	LS	--	--	(87)	
Retransmission Site	LS	--	--	(114)	
Information Systems	LS	--	--	(42)	
			Total	243	
<p><u>REQUIREMENT:</u> This project is required to support the training of personnel assigned to Fort Carson, and approximately 5,000 Reserve, National Guard, Marines and Reserve Officers' Training Corps (ROTC) units annually. The upgrade in communications is required because mountainous areas down-range from Fort Carson cannot be reached by radio.</p> <p><u>CURRENT SITUATION:</u> The present facility consists of six World War II wood buildings that are well past their useful life. The facility provides no space for equipment maintenance, target construction, painting, and many other daily functions. Office space and toilet facilities are inadequate for the current mission. Most of the range equipment and target devices must be stored out in the weather, as well as all of the lumber used to construct targetry. A facility must be provided for the high-tech range equipment now being fielded at Fort Carson.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, units will not receive the quality of support necessary to provide the best possible training. Equipment and supplies that should be stored inside, will continue to deteriorate due to weather damage. Inadequate radio communications will continue to impede training operations and pose a safety threat when certain parts of the training areas cannot be reached by radio.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>					

1. COMPONENT		2. DATE	
Army		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Carson, Colorado			
4. PROJECT TITLE		5. PROJECT NUMBER	
Range Control Facility		2220	
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	FEB 1991	
(b)	Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d)	Design Complete Date.....	SEP 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	202	
(b)	All Other Design Costs.....	122	
(c)	Total Design Cost.....	324	
(d)	Contract.....	243	
(e)	In-house.....	81	
(4)	Construction Start.....	FEB 1994	
		month & year	
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Info Sys - ISC	OPA	1994	26
		TOTAL	26

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION APPROPRIATION		PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Georgia		Fort Benning (TRADOC)			
	22546	Multipurpose Machine Gun Range			49
	35301	Whole Barracks Renewal	1,650	1,650	51
	35308	Barracks Modernization	17,500	17,500	54
			18,500	18,500	57
		Subtotal For Fort Benning PART I	\$ 37,650	37,650	
		Fort Stewart (FORSCOM)			
	39137	Cargo Handling Facility	4,500	4,500	61
	39141	Expand Ammunition Storage Area	3,600	3,600	66
	39143	Railroad Track Improvement	2,000	2,000	69
39153	Hardstand	8,700	8,700	72	
	Subtotal For Fort Stewart PART I	\$ 18,800	18,800		
	* TOTAL MCA FOR Georgia	\$ 56,450	56,450		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Benning Georgia			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.79	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	1501	11431	4137	2264	8920	15	56
B. END FY 1999	1216	9941	4115	2013	8653	22	56
						121	3204
							3204
							29,341
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	169,268 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,957,601						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	37,650						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	30,950						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	52,350						
H. GRAND TOTAL.....	2,078,551						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
179	22546	Multipurpose Machine Gun Range		1,650	01/1992	09/1993	
721	35301	Whole Barracks Renewal		17,500	07/1992	01/1994	
721	35308	Barracks Modernization		18,500	07/1992	09/1993	
				TOTAL	37,650		
9. FUTURE PROJECTS:							
CATEGORY PROJECT		PROJECT TITLE		COST			
CODE	NUMBER			(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
860		Railroad Track Loading Facility		5,500			
179		Upgrade Camouche Tank Range		1,900			
721		Whole Barracks Renewal		19,200			
442		Mobilization Deployment Storehouse		4,350			
				TOTAL	30,950		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for the U.S. Army Infantry Center and School, major combat and combat support forces, Martin U.S. Army Hospital, other tenant and satellited activities and units, and Reserve Components Training.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Benning Georgia										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993				
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE Multipurpose Machine Gun Range					
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 179	7. PROJECT NUMBER 22546		8. PROJECT COST (\$000) Auth 1,650 APP'OP 1,650				
9. COST ESTIMATES									
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)		
PRIMARY FACILITY							1,116		
Machinegun, M60, Transition Range				LS	--	--	(1,115)		
Information Systems				LS	--	--	(1)		
SUPPORTING FACILITIES							358		
Paving, Walks, Curbs And Gutters				LS	--	--	(11)		
Storm Drainage				LS	--	--	(17)		
Site Imp(324) Demo()				LS	--	--	(324)		
Information Systems				LS	--	--	(6)		
ESTIMATED CONTRACT COST							1,474		
CONTINGENCY PERCENT (5.00%)							74		
SUBTOTAL							1,548		
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							93		
TOTAL REQUEST							1,641		
TOTAL REQUEST (ROUNDED)							1,650		
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(277)		
10. Description of Proposed Construction Construct a standard-design multi-purpose squad automatic weapons (SAW) and machine gun (MG) range with ten firing lanes. Primary facilities include all construction within the perimeter of the range complex and consist of primary power to the site (approximately one mile), secondary down range power and data control, control tower, infantry stationary target emplacements, infantry hostile fire simulator emplacements, down range target access roads, information systems, and public address system. Connect to energy monitoring and control system (EMCS). Heating (electric) and air conditioning (2 tons) will be provided by a self-contained unit for the control tower. Supporting facilities include all work outside the perimeter of the range complex and consist of parking, storm drainage, security fencing and gates, information systems, and site improvements. High support facility costs are due to the earthwork required to extend the boundaries of the existing range. Targetry will be funded by Other Procurement, Army (OPA).									
11. REQUIREMENT:		1 EA ADEQUATE:		NONE		SUBSTANDARD:		1 EA	
PROJECT: Construct a standard-design multi-purpose SAW and MG Transition Range. (Current Mission)									

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Benning, Georgia			
4. PROJECT TITLE Multipurpose Machine Gun Range		5. PROJECT NUMBER 22546	
<p>REQUIREMENT: This project is required to provide Active Army, Reserve and National Guard units combat training on the SAW and will comply with the One Station Unit Training (OSUT) Program of Instruction directive by the Army. It will permit training to standards by all tenant activities and units of the US Army Infantry Center.</p> <p>CURRENT SITUATION: There are no standard facilities available at Fort Benning capable of supporting SAW training. Units use existing inadequate facilities. Training is being conducted by the United States Infantry Training Center (USAITC) on a marginal, substandard basis, using Wagner Range. Wagner Range is a nine-point, machine gun transition range with ten temporarily installed portable, remote control, 100-300 meter target systems. These facilities are not cost effective and training is not to standard.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, there will be a significant adverse impact on SAW training. The units will not be able to attain the degree of proficiency required for combat, and excessive training time will be required.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....	JAN 1992		
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	40		
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100		
(d) Design Complete Date.....	SEP 1993		
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) Y			
(b) Where Design Was Most Recently Used	Schofield Barracks		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....	82		
(b) All Other Design Costs.....	50		
(c) Total Design Cost.....	132		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Benning, Georgia		
4. PROJECT TITLE Multipurpose Machine Gun Range	5. PROJECT NUMBER 22546	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(d) Contract.....	99	
(e) In-house.....	33	
(4) Construction Start.....	JAN 1994 month & year	
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested Cost (\$000)
Targetry/Simulators	OPA	1993 277
		TOTAL 277

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 35301		8. PROJECT COST (\$000) Auth 17,500 Approp 17,500			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								12,443
Modernize Barracks					SF	74,964	61.00	(4,573)
Barracks Addition					SF	35,404	72.18	(2,556)
Company Operations Facilities					SF	31,380	73.43	(2,305)
Dining Facility					SF	14,116	140.50	(1,983)
Asbestos Removal					LS	--	--	(433)
Total from Continuation page								(593)
SUPPORTING FACILITIES								3,258
Electric Service					LS	--	--	(474)
Water, Sewer, Gas					LS	--	--	(113)
Steam And/Or Chilled Water Distr					LS	--	--	(1,000)
Paving, Walks, Curbs And Gutters					LS	--	--	(513)
Storm Drainage					LS	--	--	(138)
Site Imp(333) Demo(371)					LS	--	--	(704)
Information Systems					LS	--	--	(316)
ESTIMATED CONTRACT COST								15,701
CONTINGENCY PERCENT (6.50%)								1,021
SUBTOTAL								16,722
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,003
TOTAL REQUEST								17,725
TOTAL REQUEST (ROUNDED)								17,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(134)
10. Description of Proposed Construction Modernize and expand two barracks. Work includes living/sleeping room with private bath, walk-in closets, dayroom, storage and laundry. Six Company Operations facilities will be constructed as separate facilities not located within the barracks. Construct a centralized dining facility (400-800 capacity). Work includes asbestos removal and information systems. Connect to existing energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarms systems; paving, walks, curbs and gutters; parking; steam and chilled water lines; storm drainage; dumpster enclosures, information systems; and site improvements. Access for the handicapped will be provided for the core building only. Heating will be provided by a self-contained system. Air conditioning (500 tons) will be provided by modifying the existing system. Demolish four existing buildings (90,430 SF) within the footprint.								
11. REQUIREMENT: 5,718 PN ADEQUATE: 30 PN SUBSTANDARD: 6,887 PN								
PROJECT: Modernize and expand two barracks and construct six company operations facilities and one standard-design dining facility (400-800 capacity) to meet the Whole Barracks Renewal Program Standard. (Current								

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY				APRIL 1993	
3. INSTALLATION AND LOCATION					
Fort Benning, Georgia					
4. PROJECT TITLE				5. PROJECT NUMBER	
Whole Barracks Renewal				35301	
<u>9. COST ESTIMATES (CONTINUED)</u>					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
IDS Installation	LS	--	--	(12)	
EMCS Connections	LS	--	--	(336)	
Building Information Systems	LS	--	--	(245)	
			Total	593	
<u>PROJECT: (CONTINUED)</u>					
Mission)					
<u>REQUIREMENT:</u> This is the first in a series of 14 Whole Barracks Renewal Projects required to complete Fort Benning's long range plan for barracks renewal and modernization. This project is required to provide adequate, standard housing for unaccompanied enlisted personnel stationed at Fort Benning. Intended utilization of the barracks will be 340 personnel (maximum utilization is 400 personnel). This project will also construct separate company operations facilities; construct one standard-design dining facility (400-800 person); and contribute to the health, welfare, and morale of the service members residing in the barracks.					
<u>CURRENT SITUATION:</u> Four barracks buildings, originally constructed in 1954, provide minimally adequate single personnel housing for 486 enlisted personnel. Latrine and shower facilities are central. Rooms created as part of a modernization project in the 1970s provide only minimum amenities. Each building includes two each company operations functions that share one designed area (split between the basement and first floor) and two buildings contain dining facilities. These areas are inadequate to accommodate the two companies now housed in the buildings.					
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, permanent party enlisted personnel will continue to be housed in marginally adequate facilities, resulting in lower morale and retention rates. Separate dining facilities, which should be consolidated, will continue to operate. Improvements in keeping with the Army's Communities of Excellence program will not be provided, which will directly affect the welfare of soldiers residing in the facilities.					
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.					

1. COMPONENT		2. DATE	
ARMY		FF 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		APRIL 1993	
Fort Benning, Georgia			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Barracks Renewal		35301	
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date..... <u>JUL 1992</u>			
(b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>35</u>			
(c) Percent Complete As Of 01 October 93 (PROG YR).. <u>90</u>			
(d) Design Complete Date..... <u>JAN 1994</u>			
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications..... <u>672</u>			
(b) All Other Design Costs..... <u>336</u>			
(c) Total Design Cost..... <u>1,008</u>			
(d) Contract.....			
(e) In-house..... <u>1,008</u>			
(4) Construction Start..... <u>MAR 1994</u>			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Or Requested	Cost (\$000)
IDS Equipment	OPA	1994	12
Info Sys - ISC	OPA	1994	122
		TOTAL	<u>134</u>

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Benning Georgia				Barracks Modernization			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		721		35308		Auth 18,500 Approp 18,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							
Modernize Barracks				SF	74,964	61.00	12,959
Barracks Addition				SF	35,404	72.92	(4,573)
Company Operations				SF	36,450	73.50	(2,582)
Asbestos Removal				LS	--	--	(2,679)
IDS Installation				LS	--	--	(458)
Total from Continuation page							(24)
							(2,643)
SUPPORTING FACILITIES							
Electric Service				LS	--	--	3,383
Water, Sewer, Gas				LS	--	--	(404)
Steam And/Or Chilled Water Distr				LS	--	--	(57)
Paving, Walks, Curbs And Gutters				LS	--	--	(1,122)
Storm Drainage				LS	--	--	(574)
Site Imp(374) Demo(422)				LS	--	--	(138)
Information Systems				LS	--	--	(796)
							(292)
ESTIMATED CONTRACT COST							16,342
CONTINGENCY PERCENT (6.50%)							1,062
SUBTOTAL							17,404
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,044
TOTAL REQUEST							18,448
TOTAL REQUEST (ROUNDED)							18,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(257)
10. Description of Proposed Construction							
Modernize and expand two barracks. Work includes living/sleeping room, private bath, walk-in closets, dayroom, storage, laundry, information systems, patio, and asbestos removal. Construct eight (six small and two large) Company Operations facilities as separate facilities not located within the barracks. Connect to existing energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Temporary billeting, dining and company operations space for enlisted personnel during barracks modernization will be required. Install demountable partitioning (non-MCA funded) in the open sleeping bays and in the battalion classrooms and administrative areas of a vacant trainee barracks. Temporary billeting related work includes: electrical, information systems, and television service; reworking of heating, ventilation, and air conditioning (HVAC) systems and ductwork; expand existing supply and arms rooms into the covered training areas; parking; storm drainage; and site improvements. Supporting facilities include utilities; electric services; exterior lighting; fire protection and alarm systems; steam and water distribution lines; paving, walks, curbs and gutters; parking and access drives; signage; storm drainage; information systems; and site improvements. Demolish five buildings and portions of two other buildings (101,682 SF) within the footprint. Heating and air							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Benning, Georgia					
4. PROJECT TITLE Barracks Modernization				5. PROJECT NUMBER 35308	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Temporary Billeting	SF	85,000	15.56	(1,323)	
Temp. Company Operations	SF	42,500	8.40	(357)	
EMCS Connections	LS	--	--	(305)	
Building Information Systems	LS	--	--	(658)	
			Total	2,643	
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>					
conditioning (400 tons) will be provided by the existing central energy plant system.					
<u>11. REQUIREMENT:</u> 5,070 PN ADEQUATE: 884 PN SUBSTANDARD: 4,639 PN					
<u>PROJECT:</u> Modernize and expand two barracks, construct eight company operations facilities to meet the Whole Barracks Renewal Program Standard. Provide temporary billeting during modernization. (Current Mission)					
<u>REQUIREMENT:</u> This is the second in a series of 14 Whole Barracks Renewal Projects required to complete Fort Benning's long range plan for barracks renewal and modernization. This project is required to provide adequate, standard housing for unaccompanied enlisted personnel stationed at Fort Benning. Intended utilization of the barracks will be 340 personnel (maximum utilization is 400 personnel. This project will also construct separate company operations facilities; and contribute to the health, welfare, and morale of the service members residing in these barracks. Temporary billeting, dining and company operations space for enlisted personnel in a vacant trainee barracks is required by this project prior to barracks modernization. This swing space will expedite the barracks modernization/construction process and will be reused again and again in support of the remaining 12 barracks renewal projects in Fort Benning's long range plan; it is a one time expenditure.					
<u>CURRENT SITUATION:</u> These facilities, originally constructed in 1956, provide minimum adequacy standards for 521 personnel. Latrine and shower facilities are central. Rooms created as part of a modernization project in the 1970s provide only minimum amenities. Each building includes two each company operations functions that share one designed area (split between the basement and first floor) while two buildings contain dining facilities. These areas are inadequate to accommodate the two companies now housed in the buildings. Vacant, austere space for billeting, dining and company operations for two battalion sized units to relocate to during modernization and construction does not exist on Fort Benning. Reduced basic training loads have resulted in one basic trainee barracks becoming vacant. Temporary austere reconfiguration of the interior open bays of this structure would provide the needed space for billeting and company operations for the two battalion sized units.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Benning, Georgia		
4. PROJECT TITLE Barracks Modernization	5. PROJECT NUMBER 35308	
<p>IMPACT IF NOT PROVIDED: If this project is not provided, permanent party enlisted personnel will continue to be housed in marginal facilities, resulting in lower morale and retention rates. Improvements in keeping with the Army's Communities of Excellence program will not be provided which will directly affect the welfare of soldiers residing in the facilities.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		JUL 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100
(d) Design Complete Date.....		SEP 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		850
(b) All Other Design Costs.....		510
(c) Total Design Cost.....		1,360
(d) Contract.....		
(e) In-house.....		1,360
(4) Construction Start.....		
		MAY 1994
		month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Benning, Georgia		
4. PROJECT TITLE Barracks Modernization	5. PROJECT NUMBER 35308	
12. SUPPLEMENTAL DATA: (CONTINUED)		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> <u>Cost (\$000)</u>
IDS Equipment	OPA	1994 12
Info Sys - ISC	OPA	1994 245
		TOTAL 257

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM						2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.81				
6. PERSONNEL STRENGTH:											
			PERMANENT			STUDENTS			SUPPORTED		
			OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	TOTAL
A. AS OF 30 SEP 1992	1304	13197	2309	0	138	0	11	58	1921	18,938	
B. END FY 1999	1336	13311	2628	0	110	0	14	58	1918	19,375	
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE.....			284,389 AC								
B. INVENTORY TOTAL AS OF 30 SEP 1992.....						1,482,291					
C. AUTHORIZATION NOT YET IN INVENTORY.....						0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....						18,800					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....						13,400					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....						0					
G. REMAINING DEFICIENCY.....						152,388					
H. GRAND TOTAL.....						1,666,879					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:											
CATEGORY		PROJECT						COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE					(\$000)	START	COMPLETE		
422	39141	Expand Ammunition Storage Area					3,600	09/1992	12/1993		
156	39137	Cargo Handling Facility					4,500	10/1992	09/1993		
852	39153	Hardstand					8,700	09/1992	10/1993		
860	39143	Railroad Track Improvement					2,000	09/1992	10/1993		
TOTAL							18,800				
9. FUTURE PROJECTS:											
CATEGORY						COST					
CODE	PROJECT TITLE					(\$000)					
A. INCLUDED IN THE FY 1995 PROGRAM:											
442	General Purpose Warehouse					13,400					
TOTAL							13,400				
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE											
10. MISSION OR MAJOR FUNCTIONS:											
Support and training of an Infantry Division (Mech) and non-divisional support units, and provide support for tenant and satellited activities and Reserve Components training.											

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Stewart Georgia										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. PROJECT TITLE Cargo Handling Facility			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 156		7. PROJECT NUMBER 39137		8. PROJECT COST (\$000) Auth 4,500 Approp 4,500	
9. COST ESTIMATES							
ITEM				U/H	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							2,992
Operations Building				SF	912	66.83	(61)
Concrete Hardstand				SY	35,188	40.40	(1,422)
Exterior Lighting				LS	--	--	(387)
Railroad Track				LS	--	--	(1,122)
SUPPORTING FACILITIES							1,043
Electric Service				LS	--	--	(14)
Water, Sewer, Gas				LS	--	--	(53)
Paving, Walks, Curbs And Gutters				LS	--	--	(3)
Storm Drainage				LS	--	--	(254)
Site Imp(719) Demo()				LS	--	--	(719)
ESTIMATED CONTRACT COST							4,035
CONTINGENCY PERCENT (5.00%)							202
SUBTOTAL							4,237
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							254
TOTAL REQUEST							4,491
TOTAL REQUEST (ROUNDED)							4,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(19)
10. Description of Proposed Construction Construct a container handling facility to include an operations building, an end ramp with side ramp attached, hardstand, and exterior lighting. Supporting facilities include utilities, electric service, fire protection and alarm systems, access road, fencing and gates, storm drainage, and site improvements. Access for the handicapped will be provided. Heating and air conditioning (2.25 tons) will be provided by self-contained units.							
11. REQUIREMENT: 35,188 SY ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Construct a container handling facility, an operations building and railroad track. (Current Mission)							
REQUIREMENT: This project will streamline deployment/redeployment of contingency forces by trucks and rail to port of embarkation and will provide a modern efficient facility to handle, transload and store 20 and 40 foot containers used to support the 24th Infantry Division (Mechanized) on a round the clock, 24 hour/per day basis. Adequate permanent facilities are not available to support this rapid deployment mission. Also, this facility will be used for "routine" deployment, e.g. National Training Center (NTC) rotations, exercises and day-to-day Directorate of Logistics (DOL) supply							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993								
3. INSTALLATION AND LOCATION Fort Stewart, Georgia										
4. PROJECT TITLE Cargo Handling Facility	5. PROJECT NUMBER 39137									
<p><u>REQUIREMENT:</u> (CONTINUED) business.</p> <p><u>CURRENT SITUATION:</u> This project was included as a result of experience with the Desert Storm Deployment. Fort Stewart has no facilities or organic equipment to handle and store containers. Containers have become the worldwide standard means of shipping and are necessary for the efficient shipping of both civilian and military equipment and materiel. The post has compensated for this deficiency by using other equipment not designed for containers and by "borrowing" Army Reserve equipment from a equipment storage facility located approximately three miles from the staging site. Availability of this equipment for future exercises is contingent upon the maintenance status of the equipment and the deployment status of the owning unit. The containers themselves are stored and handled in an unlighted and unpaved compound and in numerous scattered locations around the post. This results in an uncertain, insecure, unsafe and inefficient loading operation under times of extreme urgency.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the installation will have no dedicated container handling facilities or equipment. As a result most of the efficiency that might be gained by the use of containers in unit deployment is lost at the installation. Handling of containers is accomplished using borrowed or inappropriate equipment in a slow and unsafe manner. Without the proper facility and equipment, containers are a burden rather than an efficient means of handling cargo.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>										
12. SUPPLEMENTAL DATA:										
<p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table data-bbox="187 1188 886 1280"> <tr> <td>(a) Design Start Date.....</td> <td><u>OCT 1992</u></td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td><u>35</u></td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td><u>100</u></td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td><u>SEP 1993</u></td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p>			(a) Design Start Date.....	<u>OCT 1992</u>	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>	(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>	(d) Design Complete Date.....	<u>SEP 1993</u>
(a) Design Start Date.....	<u>OCT 1992</u>									
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>									
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>									
(d) Design Complete Date.....	<u>SEP 1993</u>									

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Stewart, Georgia		
4. PROJECT TITLE Cargo Handling Facility	5. PROJECT NUMBER 39137	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):		(\$000)
(a) Production of Plans and Specifications.....		250
(b) All Other Design Costs.....		150
(c) Total Design Cost.....		400
(d) Contract.....		300
(e) In-house.....		100
(4) Construction Start.....		JAN 1994 month & year
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> <u>Cost (\$000)</u>
Info Sys - PROP	OPA	1994 19
		TOTAL 19

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. PROJECT TITLE Expand Ammunition Storage Area		
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 422	7. PROJECT NUMBER 39141		8. PROJECT COST (\$000) Auto 3,600 Approp 3,600	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY						
Igloo Storage		SF	20,000	112.51	2,729	
Modify Exist Igloos		LS	--	--	(2,250)	
Loading Hardstand		SY	8,365	16.12	(135)	
Igloo Roads		SY	5,369	20.25	(109)	
Connecting Roads		SY	3,278	16.11	(53)	
Total from Continuation page					(136)	
SUPPORTING FACILITIES						
Electric Service		LS	--	--	493	
Storm Drainage		LS	--	--	(17)	
Site Imp(431) Demo()		LS	--	--	(23)	
Information Systems		LS	--	--	(431)	
					(22)	
ESTIMATED CONTRACT COST					3,222	
CONTINGENCY PERCENT (5.00%)					161	
SUBTOTAL					3,383	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					203	
TOTAL REQUEST					3,586	
TOTAL REQUEST (ROUNDED)					3,600	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(30)	
10. Description of Proposed Construction Expand Ammunition Supply Point facilities by adding storage igloos, increase staging area, construct a connecting road, and widen and repave an emergency road. Install an intrusion detection system (IDS). Supporting facilities include electric service; security lighting; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements.						
11. REQUIREMENT: 87,020 SF ADEQUATE: 64,800 SF SUBSTANDARD: NONE						
PROJECT: Expand Ammunition Supply Point (ASP) facilities. (Current Mission)						
REQUIREMENT: This project is required to provide sufficient facilities for storage of the installation's authorized basic load and training ammunition, to improve the capacity and efficiency to receive and rapidly outload ammunition, to improve complex accessibility and internal vehicle movement, and to provide a 24 hour outload capability for the heavy division of the Rapid Deployment Force.						
CURRENT SITUATION: The Desert Storm Deployment demonstrated that Fort Stewart does not have adequate ammunition storage facilities for the basic load and training munitions of the 24th Infantry Division. Approximately 75 percent is stored at the installation's Ammunition Supply Point (ASP), 12						

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart, Georgia					
4. PROJECT TITLE Expand Ammunition Storage Area				5. PROJECT NUMBER 39141	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Access Roads	SY	1,809	18.13	(33)	
Exterior Lighting	LS	--	--	(103)	
			Total	136	
<u>CURRENT SITUATION: (CONTINUED)</u>					
percent is stored 45 miles away from issue point at the Hunter Army Airfield ASP, and the majority of the remaining 13 percent is stored at Lexington-Bluegrass Army Depot which is 400 miles away. In addition, there are 30 storage bunkers at the existing ASP which do not have adequate hardstand area, lighting and road network. Insufficient facilities for ammunition storage on Fort Stewart means that the 24th Infantry Division cannot meet its 48 hour deployment requirement for the "ready brigade".					
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, outloading of the division's basic load ammunition will be hampered by limited vehicle access, poor lighting, insufficient storage area for projected needs and inadequate paved area to stage ammunition for loading. These conditions delay individual unit ammunition processing which directly impacts the division's ability to deploy rapidly and safely.					
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....				SEP 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..				35	
(c) Percent Complete As Of 01 October 93 (PROG YR)..				90	
(d) Design Complete Date.....				DEC 1993	
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) Y					
(b) Where Design Was Most Recently Used					

1. COMPONENT <u>ARMY</u>	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE <u>APRIL 1993</u>												
3. INSTALLATION AND LOCATION <u>Fort Stewart, Georgia</u>														
4. PROJECT TITLE <u>Expand Ammunition Storage Area</u>	5. PROJECT NUMBER <u>39141</u>													
12. SUPPLEMENTAL DATA: (Continued)														
A. Estimated Design Data: (Continued)														
<table> <tr> <td>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):</td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;"><u>215</u></td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;"><u>149</u></td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right;"><u>364</u></td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;"><u>273</u></td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;"><u>91</u></td> </tr> </table>			(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)	(a) Production of Plans and Specifications.....	<u>215</u>	(b) All Other Design Costs.....	<u>149</u>	(c) Total Design Cost.....	<u>364</u>	(d) Contract.....	<u>273</u>	(e) In-house.....	<u>91</u>
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)													
(a) Production of Plans and Specifications.....	<u>215</u>													
(b) All Other Design Costs.....	<u>149</u>													
(c) Total Design Cost.....	<u>364</u>													
(d) Contract.....	<u>273</u>													
(e) In-house.....	<u>91</u>													
(4) Construction Start..... <u>FEB 1994</u> month & year														
B. Equipment associated with this project which will be provided from other appropriations:														
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Or Requested Cost (\$000)												
IDS Equipment	OPA	1995 30												
		TOTAL 30												

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. PROJECT TITLE Railroad Track Improvement			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 860		7. PROJECT NUMBER 39143		8. PROJECT COST (\$000) Auth 2,000 Approp 2,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							
Railroad Pass Track				LF	10,670	138.62	1,579
RR Signalization				EA	2	50,000	(1,479) (100)
<u>SUPPORTING FACILITIES</u>							
Storm Drainage				LS	--	--	211 (11)
Site Imp(200) Demo()				LS	--	--	(200)
ESTIMATED CONTRACT COST							1,790
CONTINGENCY PERCENT (5.00%)							90
SUBTOTAL							1,880
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							113
TOTAL REQUEST							1,993
TOTAL REQUEST (ROUNDED)							2,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Construct a two-mile railroad pass track parallel to the Fort Stewart main lead track. Work includes an access road and an operations building. The pass track includes rail trackage, rail ties, ballast, switches, frogs, drainage, align and level rails, grading, sub-base material, crossovers, and signalization. Supporting facilities include electric service, security lighting and fencing, paving, access roads, and site improvements.							
11. REQUIREMENT: 2 MI ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Construct a railroad pass track. (Current Mission)							
REQUIREMENT: This project will provide a pass track to facilitate and expedite the make-up, storage and movement of railroad trains. The rapid deployment of the 24th Infantry Division (24th ID) depends substantially on rail movements, in-bound and outbound, of vehicles, equipment and supplies. This two mile pass will accommodate the required 100-plus car trains and allow several rail movements per day. Also, this facility will be used for "routine" deployment e.g. National Training Center (NTC) rotations, exercises, and day-to-day Directorate of Logistics (DOL) Supply business.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Stewart, Georgia		
4. PROJECT TITLE Railroad Track Improvement	5. PROJECT NUMBER 39143	
<p><u>CURRENT SITUATION:</u> Operation Desert Storm clearly demonstrated that the lack of this pass track resulted in congestion and hampered the rapid staging of rail cars. In-bound and out-bound rail movements normally consist of 30-plus car trains and occur approximately 20 times a year with half of these involving trains of more than 100 cars. The number of these exercises is expected to increase when the SL-7 transport ships are available full time in Savannah Harbor. Existing cantonment area spur and side tracks can accommodate made-up trains of only 25-30 cars, and then only by blocking loading areas and warehouse doors. Longer trains can be made up only by using several spurs and portions of the main lead simultaneously. The make-up operation requires much time, blocks loading ramps and warehouse doors, disrupts loading/unloading operations, and blocks several main road traffic arteries. As a result, many deployment related activities are disrupted slowed, or stopped during the make-up of trains. Once made up, the train must be severed in several locations (to unblock main roads) and stored on the main lead track while waiting movement to the main line. The stored train stops all in-bound and out-bound movements. Switch and road engines have no means to bypass the stored train. Rail movements are limited to one per day, at best. This project is compatible with the Army Strategic Mobilization Plan and will complement the FY 94 MCA Project Hardstand at Fort Stewart.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, rail movements, loading/unloading operations and train make-up will continue to be chaotic, inefficient, slow and less safe. Rail system configuration, rather than actual requirements, will continue to dictate movement schedules.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date..... <u>SEP 1992</u>		
(b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>35</u>		
(c) Percent Complete As Of 01 October 93 (PROG YR).. <u>100</u>		
(d) Design Complete Date..... <u>OCT 1993</u>		
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																		
3. INSTALLATION AND LOCATION Fort Stewart, Georgia																				
4. PROJECT TITLE Railroad Track Improvement	5. PROJECT NUMBER 39143																			
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p>A. Estimated Design Data: (Continued)</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">75</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">125</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right;">200</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">150</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">50</td> </tr> </table> <p>(4) Construction Start..... JAN 1994 month & year</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;">None</td> </tr> </tbody> </table>			(a) Production of Plans and Specifications.....	75	(b) All Other Design Costs.....	125	(c) Total Design Cost.....	200	(d) Contract.....	150	(e) In-house.....	50	<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	None			
(a) Production of Plans and Specifications.....	75																			
(b) All Other Design Costs.....	125																			
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None																				

1. COMPONENT		2. DATE		
ARMY		APRIL 1993		
FY 1994		MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
Fort Stewart Georgia		Hardstand		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
22696A	852	39153	Auth 8,700	APPPOP 8,700
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				
Ready Building	SP	3,016	76.65	5,823 (231)
Concrete Hardstand	SY	150,000	25.78	(3,868)
Loading Ramps	LS	--	--	(195)
Fencing	LF	2,992	17.16	(51)
Exterior Lighting	LS	--	--	(1,478)
SUPPORTING FACILITIES				
Electric Service	LS	--	--	2,005 (207)
Water, Sewer, Gas	LS	--	--	(30)
Steam And/Or Chilled Water Distr	LS	--	--	(42)
Paving, Walks, Curbs And Gutters	LS	--	--	(28)
Storm Drainage	LS	--	--	(513)
Site Imp(1,174) Demo()	LS	--	--	(1,174)
Information Systems	LS	--	--	(11)
ESTIMATED CONTRACT COST				7,828
CONTINGENCY PERCENT (5.00%)				391
SUBTOTAL				8,219
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				493
TOTAL REQUEST				8,712
TOTAL REQUEST (ROUNDED)				8,700
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(26)
10. Description of Proposed Construction Construct a staging area to include a ready building, loading ramps, hardstand, and hardstand lighting and fencing. Supporting facilities include utilities, electric service, storm drainage, information systems, and site improvements. Access for the handicapped will be provided.				
11. REQUIREMENT: 150,000 SY ADEQUATE: NONE SUBSTANDARD: 383,000 SY				
PROJECT: Construct a staging area to accommodate a brigade (up to seven battalions) element at any time or in any weather for rail load operations. (Current Mission)				
REQUIREMENT: This project will provide secure, well lighted, and drained areas to promote successful deployments of elements of the 24th Infantry Division, and other military units that assemble at Fort Stewart. Adequate permanent facilities are not available to support this mission. Also, this facility will be used for "routine" deployment, e.g. National Training Center (NTC) rotations, exercises, and day-to-day Directorate of Logistics (DOL) Supply business.				

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																		
3. INSTALLATION AND LOCATION Fort Stewart, Georgia																				
4. PROJECT TITLE Hardstand	5. PROJECT NUMBER 39153																			
<p>CURRENT SITUATION: Operation Desert Storm clearly demonstrated the need for a consolidated Brigade-sized marshalling area with hardstand and adequate lighting to support 24 hour operations in all weather and ground conditions. There are no existing hardstands on Fort Stewart that is large enough for staging a brigade for rail load operations. The only installation areas large enough to meet the mission are cleared ground areas that are poorly drained and unlighted. The best location for assembling a brigade size element for load up is a two rail track terminus area with loading docks in the west sector of the cantonment area. These grounds were once part of an ammunition storage point and are relatively clear. The staging of units here is problematic in inclement weather and dark.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, deployments during times of crisis may be compromised. Staging actions during exercises and other mobilizations will be conducted in inefficient ways.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>																				
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td>SEP 1992</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td>35</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td>100</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td>OCT 1993</td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>210</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>325</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td>535</td> </tr> <tr> <td>(d) Contract.....</td> <td>260</td> </tr> <tr> <td>(e) In-house.....</td> <td>275</td> </tr> </table>			(a) Design Start Date.....	SEP 1992	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	(d) Design Complete Date.....	OCT 1993	(a) Production of Plans and Specifications.....	210	(b) All Other Design Costs.....	325	(c) Total Design Cost.....	535	(d) Contract.....	260	(e) In-house.....	275
(a) Design Start Date.....	SEP 1992																			
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35																			
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(d) Contract.....	260																			
(e) In-house.....	275																			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Stewart, Georgia		
4. PROJECT TITLE Hardstand	5. PROJECT NUMBER 39153	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(4) Construction Start..... FEB 1994 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> <u>Cost (\$000)</u>
Info Sys - PROP	OPA	1994 26
		TOTAL 26

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION		APPROPRIATION REQUEST	PAGE
			REQUEST	REQUEST		
Hawaii		Schofield Barracks (USARPAC)				77
	14840	Operations Facility	2,600	2,600		79
	34642	Multi-Purpose Family Service Center	16,000	16,000		82
		Subtotal For Schofield Barracks PART I	\$ 18,600	18,600		
		* TOTAL MCA FOR Hawaii	\$ 18,600	18,600		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii			4. COMMAND US Army Pacific			5. AREA CONSTRUCTION COST INDEX 1.42	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	1289	12407	812	0	111	0	0
B. END FY 1999	1306	12306	819	0	71	0	0
						538	15,157
						538	15,040
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		14,089 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		314,889					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		18,600					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		25,500					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		87,610					
H. GRAND TOTAL.....		446,599					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS	
CODE	NUMBER			(\$000)	START	COMPLETE	
141	14840	Operations Facility		2,600	03/1992	10/1993	
740	34642	Multi-Purpose Family Service Center		16,000	01/1991	10/1993	
				TOTAL	18,600		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
812	Upgrade Electrical System/Substation			15,500			
721	Whole Barracks Renewal			10,000			
				TOTAL	25,500		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Schofield Barracks houses peacetime garrison troops and their supporting organizations. It is the headquarters for the 25th Infantry Division. Parts of the U.S. Army Support Command Hawaii (USASCH), U.S. Army Information Systems Command and the 45th Support Group are also housed there. In addition, members of the other services occupy housing at Schofield.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Schofield Barracks Hawaii										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii				4. PROJECT TITLE Operations Facility			
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 14840		8. PROJECT COST (\$000) Auth 2,600 Approp 2,600		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							
CIDC Field Operations Building				SF	12,918	135.70	1,775
IDS Installation				LS	--	--	(1,753)
Building Information Systems				LS	--	--	(15)
							(7)
SUPPORTING FACILITIES							
Electric Service				LS	--	--	550
Water, Sewer, Gas				LS	--	--	(123)
Paving, Walks, Curbs And Gutters				LS	--	--	(28)
Storm Drainage				LS	--	--	(192)
Site Imp(107) Demo()				LS	--	--	(75)
Information Systems				LS	--	--	(107)
							(25)
ESTIMATED CONTRACT COST							2,325
CONTINGENCY PERCENT (5.00%)							116
SUBTOTAL							2,441
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							159
TOTAL REQUEST							2,600
TOTAL REQUEST (ROUNDED)							2,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(7)
10. Description of Proposed Construction							
Construct a modified standard-design specialized Criminal Investigations Division Command (CIDC) Field Operations Building. Project includes administrative space, polygraph suite, secured evidence depository, suspect isolation areas, observation and interview areas with acoustic separation, photo identification and fingerprint room, property and supply storage and maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, lightning protection, sanitary and storm sewers, fire protection and alarm systems, access roads, parking, fencing, information systems, and site improvements. Access for the handicapped will be provided. Air conditioning (45 tons) will be provided by a self-contained system. Demolish one building (800 SF) within the footprint.							
11. REQUIREMENT: 12,918 SF ADEQUATE: NONE SUBSTANDARD: 7,900 SF							
PROJECT: Construct a modified standard-design, specialized CIDC field operations building. (Current Mission)							
REQUIREMENT: This project is required to provide operating facilities for a District Headquarters and a Resident Agency, both of which are criminal investigative field offices of the US Army Criminal Investigation Command. The							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 14840	
<p>REQUIREMENT: (CONTINUED)</p> <p>Resident Agency requires special purpose space to perform its mission. Examples are a polygraph room and evidence depository. In addition, space for 15 non-tactical vehicles, support space for four High Mobility Multi-purpose Wheeled Vehicles (HMMWV) and a repository storage of other Modified Table of Organization and Equipment (MTOE) for a 9-man detachment is required, since the Resident Agency converts from a Table of Distribution and Allowances (TDA) to a TOE combat support unit in 1995. There are 37 full-time personnel occupying the facility. No facilities on or off the installation can properly satisfy the requirement. The project would allow all operations, less drug suppression, to be consolidated under one roof.</p> <p>CURRENT SITUATION: The unit currently uses a World War II, converted wooden warehouse that is too small even for its current needs. For example, it does not have a suspect waiting room, an interview/line-up room, a conference room, or restrooms (agents, victims, and suspects must share an outside latrine with the collocated Thrift Shop). The current evidence room storage situation violates CIDC standards: the evidence room is so small that part of the evidence must be stored in another warehouse. The interview rooms lack privacy and consequently are often not used. Since the overall layout is not functional and efficient, it impedes operations. Obtaining testimony and maintaining its confidentiality is difficult due to a suspect-victim-witness separation problem. The reliability and speed of the sensitive polygraph examination is also affected by the working environment: for example, climate control and extraneous noise distractions. The present lighting is dim and the ventilation is inadequate. The storage areas flood during the rainy season. In the summer the facility is excessively hot and humid.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, inadequate space for operations will become a critical problem, and the structure will continue to deteriorate. Victim, witness, and suspect processing will continue to suffer. Inadequate space will exist for the storage of Modified Table of Organization and Equipment (MTOE) by 1995. The failure to provide adequate facilities lowers both the morale and productivity of a small, overworked, specially-skilled force and is not encouraging to soldiers.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project. Related Project: FY 95 MCA Project Number 35576 Electrical Upgrade will renovate the power in this area.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii			
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 14840		
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....	MAR 1992		
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35		
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	90		
(d) Design Complete Date.....	OCT 1993		
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....			
(b) All Other Design Costs.....	240		
(c) Total Design Cost.....	240		
(d) Contract.....			
(e) In-house.....	240		
(4) Construction Start.....	JAN 1994		
	month & year		
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
IDS Equipment	OPA	1994	6
Info Sys - ISC	OPA	1994	1
		TOTAL	7

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii				4. PROJECT TITLE Multi-Purpose Family Service Center		
5. PROGRAM ELEMENT 22496A		6. CATEGORY CODE 740	7. PROJECT NUMBER 34642		8. PROJECT COST (\$000) Auth 16,000 Approp 16,000	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY						
Child Development Center			SF	19,365	144.53	10,627 (2,799)
Playground w/Equip, Shed & Fence			LS	--	--	(390)
Family Center			SF	2,630	151.66	(399)
Chapel Center Facility			SF	13,638	190.10	(2,593)
Physical Fitness Center			SF	27,817	158.10	(4,398)
Information Systems			LS	--	--	(48)
SUPPORTING FACILITIES						
Electric Service			LS	--	--	3,577 (573)
Water, Sewer, Gas			LS	--	--	(343)
Paving, Walks, Curbs And Gutters			LS	--	--	(951)
Storm Drainage			LS	--	--	(402)
Site Imp(1,249) Demo(14)			LS	--	--	(1,263)
Information Systems			LS	--	--	(45)
ESTIMATED CONTRACT COST						14,204
CONTINGENCY PERCENT (5.00%)						710
SUBTOTAL						14,914
SUPERVISION, INSPECTION & OVERHEAD (6.50%)						969
TOTAL REQUEST						15,883
TOTAL REQUEST (ROUNDED)						16,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(1)
10. Description of Proposed Construction This project is part of the Service Member Support Center project at Helemano Military Reservation. Funding for the Service Member Support Center will be shared by Non-Appropriated Funds (NAF) and Military Construction, Army (MCA) construction programs. The NAF funds will be used under FY 94 Project 41205 Youth Center. The youth center and the outdoor swimming pool and wading pool with pool house will be funded by NAF funds. Service Member Support Center supporting facilities costs are prorated between the MCA and NAF projects. This project will construct a two-story service member community support center and a stand alone standard-design child development center, playground with equipment, shed and fencing. Work includes a community services center, chapel center, and a standard-design physical fitness center. Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; fire sprinkler, fire protection and alarm systems; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Air conditioning (135 tons) will be provided by a self-contained unit. Mechanical ventilation (2,100 CFM) for restrooms and shower areas will be provided. Demolish one building (1,000 SF) and remove pavement (40,000 SF) and slabs (4,800 SF). Due to the proposed siting of the Service Member Support Center, a two-story structure is						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Multi-Purpose Family Service Center	5. PROJECT NUMBER 34642	
<p><u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u> necessary to avoid causing Radio Frequency Interference to the Naval Communication Area Master Station's (NAVCAMS) Circular Deploy Antenna Array. The two-story structure will require an elevator for the handicapped and freight.</p>		
<p><u>11. REQUIREMENT:</u> 67,079 SF ADEQUATE: NONE SUBSTANDARD: NONE <u>PROJECT:</u> Construct a two-story multi-purpose family service center with a stand-alone, standard-design child development center (CDC). (Current Mission) <u>REQUIREMENT:</u> This project is required to provide family support services facilities for Helemano Military Reservation (HMR) expanded family housing mission. It will provide a wide range of services to military personnel and their dependents. The Community Service Center will assist active duty personnel and family members with relocation and other quality-of-life concerns. Their services include financial planning, social worker counseling, family advocacy, employment services, information referral with follow-up, relocation assistance, foster care, consumer affairs, outreach program and exceptional family member program. Children will have opportunities for healthy development and a full range of activities. This project will serve an estimated 3,000 military personnel and their dependents. <u>CURRENT SITUATION:</u> The HMR is a sub-installation of Schofield Barracks, three miles from Schofield Barracks and approximately two miles from the town of Wahiawa. Military families are now occupying the new 340 unit community. An additional 270 units were completed October 1992. At present, there are no soldier and family support facilities at Helemano. HMR is intended to house junior enlisted personnel. Statistically, these families have the greatest need of family support programs. The morale and welfare of the service members and their dependents living at HMR are seriously affected due to the distance from Schofield Barracks, the nearest installation providing morale, welfare and recreation support and programs. Further, the existing facilities at Schofield Barracks are fully utilized and were never designed to serve the additional requirements of HMR. Many personnel do not have privately-owned vehicles. No public transportation is available between Helemano and Schofield. They will have no facility available to meet their support needs. The heavy rain during at least four months of the year requires indoor support facilities. <u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, HMR master plan to provide community support facilities for over 600 families will not be met. HMR will continue to have no service member and dependent support center, which would adversely affect the retention rate, community morale and welfare, and physical fitness of personnel and their families. <u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1</p>		

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii			
4. PROJECT TITLE Multi-Purpose Family Service Center		5. PROJECT NUMBER 34642	
ADDITIONAL: (CONTINUED) January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	<u>JAN 1991</u>	
(b)	Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>	
(c)	Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>	
(d)	Design Complete Date.....	<u>OCT 1993</u>	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	<u>650</u>	
(b)	All Other Design Costs.....	<u>350</u>	
(c)	Total Design Cost.....	<u>1,000</u>	
(d)	Contract.....	<u>800</u>	
(e)	In-house.....	<u>200</u>	
(4) Construction Start..... <u>JAN 1994</u> month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Info Sys - ISC	OPA	1994	1
		TOTAL	1

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Kentucky	Fort Campbell (FORSCOM)				87
	820	Dining Facilities Modernization	3,500	3,500	89
	32345	Airfield Improvements	3,950	3,950	92
	39057	Mobilization Warehouse	850	850	95
	40217	Whole Barracks Renewal	32,000	32,000	98
	Subtotal For Fort Campbell PART I		\$ 40,300	40,300	
	Fort Knox (TRADOC)				101
	3091	Whole Barracks Renewal	25,000	25,000	103
	6895	Maintenance Facility	12,200	12,200	106
	22332	Multipurpose Training Range	4,150	4,150	109
	Subtotal For Fort Knox PART I		\$ 41,350	41,350	
	* TOTAL MCA FOR Kentucky		\$ 81,650	81,650	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Port Campbell Kentucky			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.02	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		2744	19490	2398	17	187	0
B. END FY 1999		2783	19769	2624	23	180	0
					18	92	507
					17	92	2130
							25,453
							27,618
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		36,553 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		2,345,204					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		40,300					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		54,400					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		124,806					
H. GRAND TOTAL.....		2,564,710					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
722	820	Dining Facilities Modernization		3,500	02/1992	09/1993	
116	33345	Airfield Improvements		3,950	04/1992	09/1993	
721	40217	Whole Barracks Renewal		32,000	08/1992	09/1993	
442	39057	Mobilization Warehouse		850	08/1992	09/1993	
				TOTAL	40,300		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
860		Railroad Connector		10,000			
214		Tactical Equipment Shop		15,500			
860		Railroad Track Addition		7,900			
721		Whole Barracks Renewal		21,000			
				TOTAL	54,400		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Airborne (Air Assault) Division and other non-divisional support units. Ensure the most efficient utilization of resources to operate the installation and discharge the Port Campbell area							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Port Campbell Kentucky										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>support mission. Ensure that Fort Campbell is prepared for mobilization. Provide command and control, and prepare designated units to rapidly deploy worldwide for the performance of combat, combat support, and combat service support missions as assigned.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="88 573 699 661"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">7,587</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">8,083</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	7,587	B. WATER POLLUTION	8,083	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	7,587									
B. WATER POLLUTION	8,083									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Dining Facilities Modernization				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 722	7. PROJECT NUMBER 820		8. PROJECT COST (\$000) Auth 3,500 Approp 3,500			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								2,930
Modernize Dining Facilities					SF	21,914	133.72	(2,930)
<u>SUPPORTING FACILITIES</u>								91
Electric Service					LS	--	--	(27)
Water, Sewer, & Gas					LS	--	--	(28)
Paving, Walks, Curbs & Gutters					LS	--	--	(25)
Storm Drainage					LS	--	--	(11)
ESTIMATED CONTRACT COST								3,021
CONTINGENCY PERCENT (10.0%)								302
SUBTOTAL								3,323
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								199
TOTAL REQUEST								3,522
TOTAL REQUEST (ROUNDED)								3,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Modernize three dining facilities. Project includes replacement of existing equipment in food preparation area, dishwashing area, and pot and pan washing area with state-of-the-art equipment; suspended acoustical ceilings; wall coverings; floor covering; sound system and lighting. Install self-service area and short order line, upgrade main utility service capacity to accommodate modern food service equipment, and replace building drain lines. Replace roofs on three facilities. Modernize toilets in food preparation area. Supporting facilities include utilities, electric service, sanitary sewer, grease traps, storm drainage, and paving. Heating (gas-fired), air conditioning (80 tons), and ventilating systems will be provided.								
11. REQUIREMENT: 12,640 PN ADEQUATE: 11,566 PN SUBSTANDARD: 1,074 PN								
PROJECT: Modernize three dining facilities (Number served 1,074). (Current Mission)								
REQUIREMENT: This renovation is required to improve the efficiency of service and the dining environment and to reduce risks of fire and other hazards due to deficiencies of heating, ventilation, and air conditioning (HVAC) systems, electrical wiring and outlets, and aging equipment to improve								

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky			
4. PROJECT TITLE Dining Facilities Modernization		5. PROJECT NUMBER 820	
<p>REQUIREMENT: (CONTINUED)</p> <p>quality of food by use of modern equipment; to reduce damage to buildings due to excess moisture caused by lack of proper ventilation. The number of enlisted personnel (E-1 through E-9) served is 528 in one building and 273 each for the other two buildings. The three dining facilities are located approximately three to five miles apart. One building is located at Clarksville Base in the southwest cantonment area, one at Campbell Army Airfield in the north cantonment area, and the third located in the southwest portion of the cantonment area about three miles from Clarksville Base.</p> <p>CURRENT SITUATION: Systems in existing dining facilities are worn, ineffective and inadequate, causing expensive damage and exposing personnel to an unhealthy working and eating environment. Heating and cooling systems of the facility at Campbell Army Airfield leak, ruining ceiling and floor tiles. Lights often blow due to moisture. Walk-in cooler walls are damaged beyond repair. Lack of ventilation in staff lavatories causes mildew. Equipment exposed to moisture poses a safety hazard. The second facility uses pedestal fans to ventilate the dining area adding to the noise intensity of 80-90 decibels (exceeding industry standards of 55 decibels). Kitchen staff is required to wear hearing protection and take audiograms. The third facility, which is at Clarksville Base, has an open dishwashing area. Steam is currently vented into the dining area causing damage and adding to the cooling load. Three walk-in freezers are unusable due to collapsed walls and ceilings. Portable refrigerators limit food storage capacity. Two facilities have one lavatory for a staff of 20 (standards require two latrines for this size). Lacking lockers to store belongings, the staff must wear work uniforms to work, which is unsanitary for food preparation.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the following adverse effects in the three dining facilities will result: unsafe and unhealthy working and dining conditions; unappealing dining areas; and disruptive and expensive repairs to aging equipment and utilities.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Dining Facilities Modernization	5. PROJECT NUMBER 820	
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		FEB 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		35
(c) Percent Complete As Of 01 October 93 (PROG YR)..		100
(d) Design Complete Date.....		SEP 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		175
(b) All Other Design Costs.....		105
(c) Total Design Cost.....		280
(d) Contract.....		210
(e) In-house.....		70
(4) Construction Start..... APR 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Cost Or Requested (\$000)
None		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Campbell Kentucky			4. PROJECT TITLE Airfield Improvements		
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 116	7. PROJECT NUMBER 33345	8. PROJECT COST (\$000) Auth 3,950 Approp 3,950	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Flight Ops Bldg/Control Tower		SF	8,170	140.00	2,751 (1,144)
Remove/install ATC Tower Equip.		LS	--	--	(40)
Runway Edge Lighting		LF	10,200	39.62	(404)
Upgrade to 8" U.G. Fuel Lines		LF	9,500	102.40	(973)
Fuel Loading/Unloading Island		LS	--	--	(172)
Building Information Systems		LS	--	--	(18)
SUPPORTING FACILITIES					
Electric Service		LS	--	--	817 (334)
Water, Sewer, Gas		LS	--	--	(6)
Paving, Walks, Curbs And Gutters		LS	--	--	(141)
Storm Drainage		LS	--	--	(16)
Site Imp(61) Demo(14)		LS	--	--	(74)
Information Systems		LS	--	--	(246)
ESTIMATED CONTRACT COST					3,568
CONTINGENCY PERCENT (5.00%)					178
SUBTOTAL					3,746
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					225
TOTAL REQUEST					3,971
TOTAL REQUEST (ROUNDED)					3,950
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(25)
10. Description of Proposed Construction Install a combined central lighting control console in the existing tower with upgraded circuitry to provide computer monitoring capability at this new console. Install five-stage runway edge lighting system. Construct a flight operations building with a taller control tower, raze existing control tower and tower base. Remove air traffic control equipment from existing tower at Sabre Heliport and reinstall in new tower. Supporting facilities include utilities, electric service, emergency generator, paving, and site improvements. Demolish three aboveground fuel storage tanks (185,000 gallons).					
11. REQUIREMENT: 15,200 LF ADEQUATE: NONE SUBSTANDARD: NONE					
PROJECT: Upgrade airfield and heliport. (Current Mission)					
REQUIREMENT: This modernization project is required to maintain air traffic safety at Campbell Army Airfield (CAAF) and Sabre Army Heliport and to support the rapid deployment and combat effectiveness of the 101st Airborne Division (Air Assault) and other non-divisional units stationed on-post.					
CURRENT SITUATION: Both fixed and rotary-wing operations are conducted at the CAAF/Destiny Heliport (DH) co-located facilities. Rotary-wing operations are also conducted at Sabre Army Heliport 10 miles away. This distance, along					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Airfield Improvements	5. PROJECT NUMBER 33345	
CURRENT SITUATION: (CONTINUED)		
<p>with the volume of the combined air operations, prevents the control of both facilities from a single tower. Relocation of Sabre based aircraft to CAAF/DH would require extensive construction of additional hangar and apron facilities and the combined total of 216 helicopters would overwhelm the air traffic control operations of a single tower. CAAF was constructed in 1948 as a fixed-wing airfield and modified in 1972 by the construction of Destiny Heliport to accommodate rotary-wing aircraft. Air traffic has doubled at CAAF since 1984 but many support facilities have not been updated to meet this increased volume. Further, existing landing, parking, loading and fueling facilities have deteriorated so that major upgrades are required to meet current operational and air safety standards. Of major safety concern is the location of the lighting control panel for DH which is on the opposite side of the tower from the air traffic control station. This is a special concern because during night vision goggle (NVG) training exercises the controller loses observation of the in-bound aircraft whenever it is necessary to switch the lights on or off. Sabre Heliport's tower was originally constructed in 1976 and its location and 80-foot height have become a concern. Extensive construction, such as three maintenance hangars, and native vegetation growth since 1967 have obstructed the controller's view of parts of the airfield. Portions of the hot refueling area are also unable to be seen. As air operations continue to grow, so does the potential for safety risks. Presently air operations at Sabre are located in a converted house trailer. This facility is incapable of providing most of the basic services normally associated with a base operations facility.</p>		
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, training and combat readiness posture of the division and non-divisional units will continue to be adversely affected. Both day-to-day training operations and the deployment capability of these units are impaired by lack of adequate flight operations, air traffic control, and fueling facilities. Night training operations cannot be conducted on the secondary runway, as it is not equipped with edge lighting.</p>		
<p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993												
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky														
4. PROJECT TITLE Airfield Improvements	5. PROJECT NUMBER 33345													
<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <p>(a) Design Start Date..... APR 1992</p> <p>(b) Percent Complete As Of 01 January 93 (BDGT YR).. 35</p> <p>(c) Percent Complete As Of 01 October 93 (PROG YR).. 100</p> <p>(d) Design Complete Date..... SEP 1993</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications..... 187</p> <p>(b) All Other Design Costs..... 113</p> <p>(c) Total Design Cost..... 300</p> <p>(d) Contract..... 225</p> <p>(e) In-house..... 75</p> <p>(4) Construction Start..... APR 1994 month & year</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0" data-bbox="41 899 910 1058"> <thead> <tr> <th data-bbox="41 899 393 970">Equipment Nomenclature</th> <th data-bbox="393 899 663 970">Procuring Appropriation</th> <th data-bbox="663 899 828 970">Fiscal Year Appropriated Or Requested</th> <th data-bbox="828 899 910 970">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="41 987 393 1023">Info Sys - ISC</td> <td data-bbox="393 987 663 1023">OPA</td> <td data-bbox="663 987 828 1023">1994</td> <td data-bbox="828 987 910 1023">25</td> </tr> <tr> <td colspan="3" data-bbox="663 1031 828 1058" style="text-align: right;">TOTAL</td> <td data-bbox="828 1031 910 1058" style="border-top: 1px solid black;">25</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	Info Sys - ISC	OPA	1994	25	TOTAL			25
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)											
Info Sys - ISC	OPA	1994	25											
TOTAL			25											

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Mobilization Warehouse		
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 442	7. PROJECT NUMBER 39057	8. PROJECT COST (\$000) Auth 850 Approp 850		
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>						
Warehouse Building		SF	14,000	50.00	701	
Building Information Systems		LS	--	--	(700) (1)	
<u>SUPPORTING FACILITIES</u>						
Electric Service		LS	--	--	66 (25)	
Water, Sewer, Gas		LS	--	--	(10)	
Paving, Walks, Curbs And Gutters		LS	--	--	(8)	
Site Imp(15) Demo()		LS	--	--	(15)	
Information Systems		LS	--	--	(8)	
ESTIMATED CONTRACT COST					767	
CONTINGENCY PERCENT (5.00%)					38	
SUBTOTAL					805	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					48	
TOTAL REQUEST					853	
TOTAL REQUEST (ROUNDED)					850	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(1)	
10. Description of Proposed Construction Construct a warehouse to store and process the 463L pallet systems and equipment. Personnel doors and a roll-up door are required. Supporting facilities include utilities; electric service; sanitary sewer; paving, walks, curbs and gutters; information systems; and site improvements. Heating will be provided by a gas-fired system. Access for the handicapped will be provided.						
11. REQUIREMENT: 14,000 SF ADEQUATE: NONE SUBSTANDARD: 10,000 SF						
PROJECT: Construct a warehouse for storage and processing 463L pallet systems. (Current Mission)						
REQUIREMENT: This project is required to provide a storage facility for pallet systems assigned to Fort Campbell as war reserve material. As authorized in Crisis Response Force and Contingency Force Time Phased Force Deployment Data (TPFDD) list, Fort Campbell has and will continue to have a requirement to store over 1,200 463L pallets. 463L pallets are designed to handle bulk and oversized non-vehicular equipment on Air Force aircraft and, as demonstrated during Operation Desert Storm, are essential to the 101st Division's contingency missions. In addition, portable scales, dunnage, and tool kits must be stored in a secure area for any contingency. This building						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Mobilization Warehouse	5. PROJECT NUMBER 39057	
<p><u>REQUIREMENT:</u> (CONTINUED) must be of adequate size to permit inside loading and staging of at least three tractor trailer combinations utilizing 40 foot tractors.</p> <p><u>CURRENT SITUATION:</u> Equipment is currently housed in one half of an old hangar building adjacent to Campbell Army Airfield. This building has large roll-type doors that are off their tracks and must be opened with the use of a forklift. The building is bird infested, making working conditions inside the building unacceptable for health reasons. This building is scheduled for demolition and only a matter of time before it will be torn down.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, warehouse operations during deployment will be hampered by use of a building that is not designed for this function.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>AUG 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>100</u>
(d) Design Complete Date.....		<u>SEP 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>50</u>
(b) All Other Design Costs.....		<u>50</u>
(c) Total Design Cost.....		<u>100</u>
(d) Contract.....		<u>75</u>
(e) In-house.....		<u>25</u>
(4) Construction Start.....		<u>MAR 1994</u>

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Mobilization Warehouse	5. PROJECT NUMBER 39057	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	<u>Procuring Appropriation</u>	Fiscal Year <u>Appropriated Or Requested</u> Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994 1
		TOTAL 1

1. COMPONENT		2. DATE		
ARMY		APRIL 1993		
FY 1994		MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
Fort Campbell Kentucky		Whole Barracks Renewal		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
22696A	721	40217	Auth 32,000 Approp 32,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				23,975
Enlisted Barracks	SF	103,680	94.00	(9,747)
Company Operations	SF	55,475	80.26	(4,453)
Battalion HQs w/Classroom	SF	54,150	96.00	(5,199)
Dining Facility	SF	14,116	172.98	(2,442)
Elevated Water Storage Tank 1 EA	LS	--	--	(1,216)
Total from Continuation page				(918)
SUPPORTING FACILITIES				4,790
Electric Service	LS	--	--	(703)
Water, Sewer, Gas	LS	--	--	(470)
Paving, Walks, Curbs And Gutters	LS	--	--	(1,681)
Storm Drainage	LS	--	--	(1,249)
Site Imp(479) Demo()	LS	--	--	(479)
Information Systems	LS	--	--	(208)
ESTIMATED CONTRACT COST				28,765
CONTINGENCY PERCENT (5.00%)				1,438
SUBTOTAL				30,203
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				1,812
TOTAL REQUEST				32,015
TOTAL REQUEST (ROUNDED)				32,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(69)
10. Description of Proposed Construction Construct a barracks complex. Project includes living/sleeping rooms with private bath, walk-in closets, dayroom and storage. Complex will include seven small, five medium, and one large company administration and supply buildings, five small battalion headquarters with classroom buildings, and one battalion size enlisted personnel dining facility. Work includes upgrade of electrical substation and construct an elevated water storage tank. Connect energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; parking; access roads; storm drainage; information systems; and site improvements. Access for the handicapped will be provided in the administrative areas. Heating will be provided by gas-fired units and air conditioning (750 tons) by self-contained units.				
11. REQUIREMENT: 11,443 PN ADEQUATE: 2,456 PN SUBSTANDARD: 8,987 PN				
PROJECT: Construct a barracks complex to meet the Whole Barracks Renewal Program Standard. (Current Mission)				

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky					
4. PROJECT TITLE Whole Barracks Renewal				5. PROJECT NUMBER 40217	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Substation	KV	15,000	48.14	(722)	
EMCS Connection	LS	--	--	(93)	
Building Information Systems	LS	--	--	(103)	
			Total	918	
<u>REQUIREMENT:</u> This project is required to provide living/sleeping room with a private bath, walk-in closets, dayroom, and storage. Maximum utilization is 384 spaces. The intended utilization is 346 (E1-E4) spaces and 19 (E5-E6) spaces.					
<u>CURRENT SITUATION:</u> Soldiers are living in inadequate Korean-era barracks that do not provide the minimum net square footage required by current Army standards. The total number of unaccompanied enlisted personnel housing spaces required is 11,443 for Fort Campbell. Existing barracks provide only 2,456 spaces. Fort Campbell has no soldiers that are housed at the current standard barracks concept. Thirty-two of 40 battalions are in inadequate Korean-era barracks. These barracks have gang latrines, deteriorating heating and cooling systems, and undersized sewage drains that overflow into showers, hallways, and living quarters. These barracks do not have adequate security or adequate fire protection systems.					
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, single soldiers stationed at Fort Campbell will continue to live in barracks which lack authorized living space; properly functioning heating and cooling systems; adequately sized utilities; safety/security components; and other features that provide security, privacy, and comfort for soldiers according to current Army standards.					
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 40217	
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>AUG 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	<u>100</u>	
(d) Design Complete Date.....	<u>SEP 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>1,550</u>	
(b) All Other Design Costs.....	<u>930</u>	
(c) Total Design Cost.....	<u>2,480</u>	
(d) Contract.....		
(e) In-house.....	<u>2,480</u>	
(4) Construction Start..... <u>APR 1994</u> month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>
		<u>Cost (\$000)</u>
Info Sys - ISC	OPA	1994 69
		TOTAL 69

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM										2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox Kentucky			4. COMMAND US Army Training and Doctrine Command							5. AREA CONSTRUCTION COST INDEX 0.98		
6. PERSONNEL STRENGTH:												
	PERMANENT			STUDENTS			SUPPORTED					
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL		
A. AS OF 30 SEP 1992	1012	8112	3674	642	4955	35	53	188	2383	21,054		
B. END FY 1999	995	6737	4347	562	6226	1	84	213	2726	21,891		
7. INVENTORY DATA (\$000)												
A. TOTAL ACREAGE.....	109,225 AC											
B. INVENTORY TOTAL AS OF 30 SEP 1992.....											2,213,108	
C. AUTHORIZATION NOT YET IN INVENTORY.....											0	
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....											41,350	
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....											31,200	
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....											0	
G. REMAINING DEFICIENCY.....											17,204	
H. GRAND TOTAL.....											2,302,862	
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:												
CATEGORY PROJECT						COST		DESIGN STATUS				
CODE	NUMBER	PROJECT TITLE				(\$000)	START	COMPLETE				
721	3091	Whole Barracks Renewal				25,000	01/1992	12/1993				
218	6895	Maintenance Facility				12,200	11/1990	01/1994				
179	22332	Multipurpose Training Range				4,150	04/1992	06/1993				
TOTAL						41,350						
9. FUTURE PROJECTS:												
CATEGORY						COST						
CODE	PROJECT TITLE				(\$000)							
A. INCLUDED IN THE FY 1995 PROGRAM:												
442	Consolidated Warehouse Facility				7,900							
179	Multipurpose Training Range				4,300							
721	Barracks				19,000							
TOTAL						31,200						
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE												
10. MISSION OR MAJOR FUNCTIONS:												
Fort Knox houses the following: Headquarters Fort Knox, USA Armor School, 1st and 4th Training Brigades, USARMC Headquarters Commandant/Commander of Troops, 12th Cavalry Regiment, 194th Armored Task Force, Fort Knox MEDDAC, Fort Knox DENTAC, 46th AG Battalion(Reception), US Army Research Institute, Armor Research and Development Activity, U.S. Army Second ROTC Region, U.S.												

1. COMPONENT		FY 1994			MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY							APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE				
Fort Knox Kentucky				Whole Barracks Renewal				
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)		
85796A		721		3091		Auth		25,000
						Approp		25,000
9. COST ESTIMATES								
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>							20,622	
Modernize Barracks (5 EA)				SF	240,000	70.20	(16,848)	
Arms Storage Facility				SF	2,675	90.00	(241)	
Dining Facility				SF	17,200	161.00	(2,769)	
EMCS Connection				LS	--	--	(43)	
Asbestos Removal				LS	--	--	(403)	
Total from Continuation page							(318)	
<u>SUPPORTING FACILITIES</u>							1,078	
Electric Service				LS	--	--	(81)	
Paving, Walks, Curbs And Gutters				LS	--	--	(607)	
Storm Drainage				LS	--	--	(68)	
Site Imp(195) Demo()				LS	--	--	(195)	
Information Systems				LS	--	--	(127)	
ESTIMATED CONTRACT COST							21,700	
CONTINGENCY PERCENT (10.0%)							2,170	
SUBTOTAL							23,870	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,432	
TOTAL REQUEST							25,302	
TOTAL REQUEST (ROUNDED)							25,000	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(4)	
10. Description of Proposed Construction Modernize five barracks. Project includes living/sleeping rooms with private bath, walk-in closets, dayroom, laundry, and storage; interior utility upgrades; information systems; energy conservation measures; doors and windows; upgrade heating, ventilation, and air conditioning (HVAC) systems; exterior balconies; exterior insulated finish; and asbestos removal. Convert administrative space to living/sleeping space and convert existing dining hall to dayroom, laundry and mailroom space. Construct a standard-design dining facility and a separate consolidated arms storage building. Connect to the existing energy monitoring and control system (EMCS). Supporting facilities include parking (barracks and dining facilities), walks, storm drainage, recreational area, and site improvements. Air conditioning (586 tons) will be provided by a self-contained system.								
11. REQUIREMENT: 3,238 PN ADEQUATE: NONE SUBSTANDARD: 4,387 PN								
PROJECT: Modernize five barracks and a dining hall to meet the Whole Barracks Renewal Program Standard. (Current Mission)								
REQUIREMENT: This project is required to improve living quarters in five permanent party enlisted barracks constructed in the 1950s, upgrade living conditions, install energy conservation measures and provide needed								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox, Kentucky					
4. PROJECT TITLE Whole Barracks Renewal				5. PROJECT NUMBER 3091	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Picnic Shelters	EA	4	4,875	(20)	
IDS Installation	LS	--	--	(10)	
Building Information Systems	LS	--	--	(288)	
			Total	318	
<u>REQUIREMENT: (CONTINUED)</u>					
conveniences. Current Army standards require barracks concept with individual room latrines. Locating administrative space and dining facilities in separate buildings from soldiers living area will be required. Upgrade of substandard conditions will contribute to the health, welfare and morale of the service members. The maximum utilization is 840 persons.					
<u>CURRENT SITUATION:</u> Single soldiers are housed in buildings constructed for basic trainees, with central latrines and temporary walls dividing open bay space into two-person room configurations. The current barracks provide spaces for 556 personnel. Rusted and deteriorated steel windows do not provide adequate seal and have inefficient single panes. Steel window frame seepage causes interior moisture damage. Interior electrical and lighting is insufficient for needs. Building exteriors are uninsulated painted concrete blocks. Site grading contributes to ponding and slow water drainage.					
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, soldiers will continue to be housed in substandard facilities. Improvements in keeping with the Army's Installations of Excellence Program will not be provided and will directly affect the soldiers' morale.					
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). This project is not affected by proposed troop reductions at Fort Knox and is required based on a validated shortage of adequate housing at Fort Knox. An economic analysis has been prepared and utilized in evaluating this project. This project is the first increment of a plan to modernize barracks at the installation. Modernization of all permanent party barracks is scheduled to be completed by 2004.					

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox, Kentucky					
4. PROJECT TITLE Whole Barracks Renewal				5. PROJECT NUMBER 3091	
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....					JAN 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..					35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..					100
(d) Design Complete Date.....					DEC 1993
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) N					
(b) Where Design Was Most Recently Used					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications.....					900
(b) All Other Design Costs.....					540
(c) Total Design Cost.....					1,440
(d) Contract.....					1,080
(e) In-house.....					360
(4) Construction Start.....					APR 1994 month & year
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
Info Sys - ISC	OPA	1994	4		
		TOTAL	4		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox Kentucky			4. PROJECT TITLE Maintenance Facility		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 218	7. PROJECT NUMBER 6895	8. PROJECT COST (\$000) Auth 12,200 Approp 12,200	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					9,659
Vehicle Maintenance Shop		SF	67,164	100.37	(6,742)
Hardstand/Apron		SY	74,569	37.65	(2,808)
IDS Installation		LS	--	--	(20)
EMCS Connection		LS	--	--	(78)
Building Information Systems		LS	--	--	(11)
<u>SUPPORTING FACILITIES</u>					1,255
Electric Service		LS	--	--	(263)
Water, Sewer, Gas		LS	--	--	(176)
Paving, Walks, Curbs, And Gutter		LS	--	--	(189)
Storm Drainage		LS	--	--	(40)
Site Imp(414) Demo(80)		LS	--	--	(494)
Information Systems		LS	--	--	(93)
ESTIMATED CONTRACT COST					10,914
CONTINGENCY PERCENT (5.00%)					546
SUBTOTAL					11,460
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					688
TOTAL REQUEST					12,148
TOTAL REQUEST (ROUNDED)					12,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(44)
10. Description of Proposed Construction Construct a modified standard-design vehicle maintenance shop. Project includes hardstand for organizational vehicle parking, maintenance apron, open storage, and parking. Provide space for tracked and wheeled vehicle repair bays; paint booth; welding area; tool, tire, and battery rooms; machine shop; petroleum, oils, and lubricants (POL) separator; and administration area. Connect to energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include extension and connection of utilities to existing base supply system; sanitary sewer; storm drainage; paving, walks, curbs and gutters; access road; fencing; parking; fire sprinkler and alarm systems; information systems; and site improvements. Heating will be provided by a self-contained gas-fired system. Air conditioning (10 tons) will be provided in administrative areas. Mechanical ventilation: 300,000 CFM. Demolish six buildings (20,271 SF) within the footprint of this project.					
11. REQUIREMENT: 693,993 SF ADEQUATE: 209,039 SF SUBSTANDARD: 348,575 SF PROJECT: Construct a modified standard-design vehicle maintenance shop. (Current Mission)					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Knox, Kentucky		
4. PROJECT TITLE Maintenance Facility	5. PROJECT NUMBER 6895	
<p>REQUIREMENT: This project is required to provide the 12th Cavalry Training Regiment (formerly the 2d Armor Training Brigade) with an adequate facility to consolidate its maintenance effort. This facility will enable more efficient maintenance operations to adequately support repair and maintenance of systems currently being utilized and introduced to the US Army Armor Center, including 169 tracked vehicles and 183 wheeled vehicles.</p> <p>CURRENT SITUATION: Currently the brigade's maintenance mission is performed in 11 temporary buildings and in part of a single permanent structure. These buildings are scattered around the post and are inadequate due to poor lighting, ventilation, sanitary, and security provisions. Spare parts are stored in a temporary building one mile from the maintenance operations. The splitting of shop functions and the movement of vehicles between the various maintenance locations causes loss of productivity, disrupts installation traffic, increases the potential of an accident, and causes damage to the road surfaces. The width and length of the existing vehicle maintenance bays are insufficient to support the M1 tank. As a result, many M1 maintenance activities require the dedication of two bays to meet the task. This results in inefficient scheduling of already limited shop facilities. Other specific M1 tasks such as the removing of the armor skirting and removal of the power pack must be conducted outside and are adversely affected by the elements. These two factors combined have resulted in 37 percent of the maintenance being conducted after normal duty hours or outside the building. There are 16 unoccupied temporary wooden structures within the footprint of the proposed project. These are beyond their useful life-span and are not economical to maintain. They need to be demolished at the start of the construction. The 11 temporary shop buildings will also be demolished, but at the end of the project.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, maintenance operations for the 12th Cavalry Training Regiment will continue to be degraded. Maintenance operations will continue in inadequate facilities fragmented throughout post. Unacceptable maintenance backlogs will continue to exist and only worsen with time. Space limitations will continue to force maintenance outside and create more after duty maintenance operations to occur. Safety hazards and lost production time associated with movement of tanks and other heavy combat vehicles will continue.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox, Kentucky					
4. PROJECT TITLE Maintenance Facility				5. PROJECT NUMBER 6895	
ADDITIONAL: (CONTINUED) performed.					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date..... NOV 1990					
(b) Percent Complete As Of 01 January 93 (BDGT YR).. 35					
(c) Percent Complete As Of 01 October 93 (PROG YR).. 100					
(d) Design Complete Date..... JAN 1994					
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) Y					
(b) Where Design Was Most Recently Used Fort Campbell					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications..... 42					
(b) All Other Design Costs..... 758					
(c) Total Design Cost..... 800					
(d) Contract..... 700					
(e) In-house..... 100					
(4) Construction Start..... MAR 1994 month & year					
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
IDS Equipment	OPA	1994	22		
Info Sys - ISC	OPA	1994	22		
		TOTAL	44		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Knox Kentucky				4. PROJECT TITLE Multipurpose Training Range				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 179	7. PROJECT NUMBER 22332		8. PROJECT COST (\$000) Auth 4,150 Approp 4,150			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								3,428
Tank Trails & Roads					SY	47,808	20.34	(972)
AMTC Emplacements					EA	4	66,790	(267)
Sta. Armor Target Emplacement					EA	20	23,686	(474)
Personnel Sta Target Emplacement					EA	48	7,896	(379)
Defilade Positions					EA	6	24,663	(148)
Total from Continuation page								(1,188)
<u>SUPPORTING FACILITIES</u>								316
Site Imp(285) Demo(19)					LS	--	--	(304)
Information Systems					LS	--	--	(10)
Fuel Oil Storage					LS	--	--	(2)
ESTIMATED CONTRACT COST								3,744
CONTINGENCY PERCENT (5.00%)								187
SUBTOTAL								3,931
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								236
TOTAL REQUEST								4,167
TOTAL REQUEST (ROUNDED)								4,150
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(1,229)
10. Description of Proposed Construction Modernize and upgrade Cedar Creek Tank Range to a Multi-Purpose Training Range (MPTR) with one lane (two firing trails). Primary facilities include all construction within the perimeter of the range complex and consist of 20 stationary and four armor moving targets, 64 stationary and 10 infantry moving targets, 64 infantry hostile fire simulators, eight defilade positions, control tower, general instruction building, renovate existing operations and storage building, latrine, ammunition breakdown building, bleacher enclosure, ammunition dock, covered mess, vehicular maintenance area, vehicular staging and parking area, electrical and data distribution systems, tank trails, target maintenance roads, limit markers, flagpole, storm drainage, fire protection and site improvements. Install an intrusion detection system (IDS). Heating and air conditioning (6 tons) for control tower and computer office (2 tons) will be provided by self-contained systems. Mechanical ventilation: 2,000 CFM. Supporting facilities include all construction outside the perimeter of the range complex and consist of upgrading the primary electrical service, security lighting and fencing, parking, access road, information systems, and site improvements. Cedar Creek Tank Range is located in a flood plain with an infrequent history of flooding. Demolish five buildings (2,614 SF) within the footprint of this project with								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox, Kentucky					
4. PROJECT TITLE Multipurpose Training Range			5. PROJECT NUMBER 22332		
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Primary & Secondary Electrical	LS	--	--	(503)	
Data Distribution	LS	--	--	(271)	
Limit Markers	EA	6	128.16	(1)	
Control Building	SF	320	357.00	(114)	
After Action Report Building	SF	800	68.75	(55)	
Latrines	SF	196	178.90	(35)	
Ammunition Dock	SF	1,800	27.22	(49)	
Storm Drain	LS	--	--	(151)	
Landscaping	LS	--	--	(2)	
IDS Installation	LS	--	--	(6)	
Building Information Systems	LS	--	--	(1)	
			Total	1,188	
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>					
asbestos removal. Dud clearance is required and will be performed by military labor with no additional cost. Targety to be funded by Other Procurement, Army (OPA).					
<u>11. REQUIREMENT:</u> 4 EA ADEQUATE: NONE SUBSTANDARD: NONE					
<u>PROJECT:</u> Modernize and upgrade Cedar Creek Tank Range to a Multi-Purpose Training Range (MPTR). (Current Mission)					
<u>REQUIREMENT:</u> This project is required to provide Active Army, Reserve, and National Guard units with a light/heavy armor range capable of supporting multiple realistic live-fire training scenarios, attack helicopter live-fire gunnery exercises using the established target array, and current standards of tank firing at the individual crew and section level. This project will integrate the infantry and armor target systems into a Remoted Target System (RETS) with the capability of training crews in tank firing through Tank Gunnery Evaluation Table X, Advanced Qualification Course. The net result would be the enhancement of crew skills prior to tank gunnery Table XII on the Multi-Purpose Range Complex-Heavy (MPRC-H) at the adjacent Yano Tank Range.					
<u>CURRENT SITUATION:</u> There are no facilities at Fort Knox capable of supporting current and future light/heavy armor standard tank live-fire training requirements for the M1 series tank, M2/M3 Bradley Fighting Vehicle as required except the soon-to-be completed MPRC-H at Yano Tank Range. This includes portal firing of the Bradley Fighting Vehicle. Also, there are no training facilities for attack helicopter aerial gunnery training. The need is currently being met through modified and degraded tank and aerial gunnery standards of firing on existing tank ranges. The completion of this project is not adversely impacted by force reduction in the Army. This range will support					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Knox, Kentucky		
4. PROJECT TITLE Multipurpose Training Range	5. PROJECT NUMBER 22332	
<u>CURRENT SITUATION:</u> (CONTINUED)		
Armor Crewman Noncommissioned Officer (NCO) Advanced Course (ANCOC), Basic NCO Course (BNCOC), Scout Commander Certification Course (SCCC), Tank Commander Certification Course (TCCC), Master Gunner Course (MGC), Armor Officer Advance Course (AOAC), Armor Officer Advance Course - Reserve Component (ACOC-RC), Third Class Combined Arms Training (TCCAT), Pre-Command Course (PCC), (Armor Crewman) and Marines One Station Unit Training (OSUT).		
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the present critical lack of proficiency in combat arms techniques will continue in the high priority combat units of the Active Army, Army Reserve, and National Guard units training at Fort Knox. The continuing of degraded training standards will impair the assigned training for Armor Officer, NCO and crewman training within the Armor School, and the readiness training for active duty and reserve component deployable units. These various units will continue to train with little or no hope of attaining the degree of proficiency required for combat.		
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.		
<u>12. SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>APR 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		<u>60</u>
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		<u>100</u>
(d) Design Complete Date.....		<u>DEC 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>207</u>
(b) All Other Design Costs.....		<u>125</u>
(c) Total Design Cost.....		<u>332</u>
(d) Contract.....		<u>249</u>

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox, Kentucky			
4. PROJECT TITLE Multipurpose Training Range		5. PROJECT NUMBER 22332	
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(e) In-house.....			83
(4) Construction Start.....			<u>MAY 1994</u> month & year
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
2-Range Control Sta	OPA	1994	63
4-Arm Mov Tar Sys	OPA	1994	548
20-THMTG	OPA	1994	90
10-Inf Mov Tar Carr	OPA	1994	67
64-Inf Tar Mech	OPA	1994	90
64-Inf Hos Fire Sim	OPA	1994	175
24-Arm Tk Kill Sim	OPA	1994	26
74-Night Muz Fls Sim	OPA	1994	17
74-Target 3-D	OPA	1994	2
84-J Box Low O	OPA	1994	1
24-Tar Instr Unit	OPA	1994	41
Thermal Viewing Sys	OPA	1994	80
IDS Equipment	OPA	1994	28
Info Sys - ISC	OPA	1994	1
		TOTAL	1,229

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST		
Maryland		Aberdeen Proving Ground (AMC)				115
	6792	Applied Instruction Facility	14,000	14,000		117
	17544	Target Assembly and Storage Facility	1,800	1,800		120
	29622	Upgrade Range Complex	4,450	4,450		124
		Subtotal For Aberdeen Proving Ground PART I	\$ 20,250	20,250		
		* TOTAL MCA FOR Maryland	\$ 20,250	20,250		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM						2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland			4. COMMAND US Army Materiel Command				5. AREA CONSTRUCTION COST INDEX 0.96			
6. PERSONNEL STRENGTH:										
		PERMANENT		STUDENTS			SUPPORTED			
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	TOTAL
A. AS OF 30 SEP 1992	665	1960	8329	323	2576	39	282	197	3118	17,469
B. END FY 1999	472	1679	5791	285	2132	13	28	119	2934	13,453
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE.....	72,518 AC									
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,967,373									
C. AUTHORIZATION NOT YET IN INVENTORY.....	0									
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	20,250									
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	11,400									
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	119,600									
G. REMAINING DEFICIENCY.....	34,008									
H. GRAND TOTAL.....	2,152,631									
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:										
CATEGORY PROJECT				COST		DESIGN STATUS				
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE				
171	6792	Applied Instruction Facility		14,000	09/1990	10/1993				
310	17544	Target Assembly and Storage Facility		1,800	08/1988	05/1993				
371	29622	Upgrade Range Complex		4,450	04/1992	08/1993				
TOTAL				20,250						
9. FUTURE PROJECTS:										
CATEGORY				COST						
CODE		PROJECT TITLE		(\$000)						
A. INCLUDED IN THE FY 1995 PROGRAM:										
317		Secure Computational Analysis Laboratory		11,400						
TOTAL				11,400						
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):										
216		Ammunition Demilitarization Fac Ph I		111,000						
216		Ammunition Demilitarization Support		8,600						
TOTAL				119,600						
10. MISSION OR MAJOR FUNCTIONS:										
The Aberdeen Area of Aberdeen Proving Ground serves as the location of the installation headquarters. The focus of major missions undertaken at the installation include basic research, testing and evaluation of ordnance and										

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland			4. PROJECT TITLE Applied Instruction Facility		
5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 171	7. PROJECT NUMBER 6792	8. PROJECT COST (\$000) Auth 14,000 Approp 14,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Ground Support Equip. Bldg		SF	108,250	97.00	11,335 (10,500)
Hardstand Paving		SY	1,500	52.23	(78)
Street Realignment		LS	--	--	(659)
Building Information Systems		LS	--	--	(98)
SUPPORTING FACILITIES					
Electric Service		LS	--	--	1,202 (79)
Water, Sewer, & Gas		LS	--	--	(76)
Paving, Walks, Curbs & Gutters		LS	--	--	(311)
Storm Drainage		LS	--	--	(270)
Site Imp(412) Demo()		LS	--	--	(412)
Information Systems		LS	--	--	(54)
ESTIMATED CONTRACT COST					12,537
CONTINGENCY PERCENT (5.00%)					627
SUBTOTAL					13,164
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					790
TOTAL REQUEST					13,954
TOTAL REQUEST (ROUNDED)					14,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(24)
10. Description of Proposed Construction Construct a general instruction training facility containing applied instruction shops and bays, training labs, secure hardstand training area, classrooms, administrative offices, instructors' preparation area, break area, lockers, tool and supply rooms, fire protection system, water recycle system, drainage with oil separation, hand and eye wash stations, variable lighting systems, vehicle exhaust systems, sound control and steam cleaning area. Supporting facilities include utilities, multi-phase electric service with grounding devices, fencing, fire protection and alarm systems, paving, walks, curbs and gutters, storm drainage, information systems, and site improvements. Heating and air conditioning (250 tons) will be provided by self-contained systems. Access for the handicapped will be provided in administration and classroom areas.					
11. REQUIREMENT: 1,730,912 SF ADEQUATE: 845,273 SF SUBSTANDARD: 48,281 SF					
PROJECT: Construct a general instruction facility with applied instructional shops and bays. (Current Mission)					
REQUIREMENT: This project is required to provide a consolidated training facility for basic and advanced courses on all quartermaster and chemical equipment. Sixty percent of the useable space in the facility is required for					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Applied Instruction Facility	5. PROJECT NUMBER 6792	
<p><u>REQUIREMENT:</u> (CONTINUED) shop bays and laboratories where hands-on training will be conducted. This project will support the average daily student load of 298 students and 61 instructors and staff personnel, requiring 11 classrooms at a total of 11,100 net square feet (13,403 Gross).</p> <p><u>CURRENT SITUATION:</u> Quartermaster and chemical equipment training is conducted in converted World War II company supply and shop buildings. Training is conducted for US Army Advanced Individual Training (AIT) students, Officer Basic and Advanced Courses, Warrant Officer Candidate and Warrant Officer Advanced courses, and all Non-Commissioned Officer (NCO) Professional Development courses. Lack of adequate space is the primary concern. The Erdlator (3,000 gallon per hour water purification unit) and the Reverse Osmosis Water Purification Unit (ROWPU) are both used for training and stored in the nearby fenced-in parking lot due to the lack of shop bay area. Inclement weather hampers training. The areas designated for training on the 400,000 BTU heaters, small engines, and smoke generators are overcrowded, creating safety hazards. Proper operational training and testing of smoke generators; chemical decontamination units; laundry and bath units; space heaters; and petroleum, oils and lubricants (POL) pump equipment is hindered by inadequate water supplies and drainage, environmental controls, and fire and safety provisions. This is due to proximity to the Aberdeen Proving Ground (APG) community center. Space constraints limit equipment in bays, causing much higher than optimum student-to-equipment ratios. Typical classrooms can hold only 19 students, compared with the average class size of 20 to 30 students for professional development courses. To alleviate overcrowding, office space has been converted to classrooms. When possible, double shifts are used to reduce class sizes, though there are no personnel authorizations to support the increased instructor requirements for double shift operations.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, training will continue to be conducted in two shifts, in overcrowded, substandard and marginally safe facilities. Technical training on new, larger equipment will add to the overcrowding, and expanding programs for the steam cleaner, new laundry and bath units, the M17 decontamination apparatus, the 1059 smoke generator system, and the field bakery unit will be constrained. Because the professional development courses for higher ranking students share the current facilities, expansion of the existing Basic Non-commissioned Officer Course (BNCOC) and the Advanced Non-Commissioned Officer Course (ANCOC) quartermaster/chemical training will slow substantially. Ultimately, it will have a severe impact and adversely affect the Nuclear, Biological and Chemical readiness posture within the force structure. Outdoor training of major end items of quartermaster/chemical equipment is not as effective during weather extremes. In the summer, temperature extremes cost these courses about 200 hours of programmed training time.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland					
4. PROJECT TITLE Applied Instruction Facility				5. PROJECT NUMBER 6792	
<p>ADDITIONAL: (CONTINUED)</p> <p>(CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....					SEP 1990
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..					35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..					100
(d) Design Complete Date.....					OCT 1993
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) N					
(b) Where Design Was Most Recently Used					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications.....					700
(b) All Other Design Costs.....					270
(c) Total Design Cost.....					970
(d) Contract.....					770
(e) In-house.....					200
(4) Construction Start..... JAN 1994					
month & year					
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
Info Sys - ISC	OPA	1994	24		
			TOTAL	24	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland			4. PROJECT TITLE Target Assembly and Storage Facility		
5. PROGRAM ELEMENT 65601A	6. CATEGORY CODE 310	7. PROJECT NUMBER 17544	8. PROJECT COST (\$000) Auth 1,800 Approp 1,800		
9. COST ESTIMATES					
ITEM		U/H	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					1,450
Target Assembly Building		SF	12,200	114.85	(1,401)
IDS Installation		LS	--	--	(7)
Building Information Systems		LS	--	--	(42)
<u>SUPPORTING FACILITIES</u>					189
Electric Service		LS	--	--	(56)
Water, Sewer, Gas		LS	--	--	(67)
Paving, Walks, Curbs, And Gutter		LS	--	--	(33)
Storm Drainage		LS	--	--	(7)
Site Imp(15) Demo()		LS	--	--	(15)
Information Systems		LS	--	--	(11)
ESTIMATED CONTRACT COST					1,639
CONTINGENCY PERCENT (5.00%)					82
SUBTOTAL					1,721
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					103
TOTAL REQUEST					1,824
TOTAL REQUEST (ROUNDED)					1,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(77)
10. Description of Proposed Construction Construct a compartmentalized secure target assembly and storage facility to include a machine shop, target assembly, fabrication and welding area, mechanical equipment room, fire protection system, and support areas with storage and administrative spaces. Provide frequent air changes and high efficiency particulate air filtration for machine shop and assembly, fabrication and welding area. Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, exterior lighting, loading dock, water storage tank, security fencing with entry control points, roads, paving, fuel storage, storm drainage, information systems, and site improvements. Access for the handicapped will be provided. Heating will be provided by a self-contained oil-fired unit. Air conditioning: 60 tons.					
11. REQUIREMENT: 12,200 SF ADEQUATE: NONE SUBSTANDARD: 9,793 SF					
PROJECT: Construct a compartmentalized secure target assembly and storage facility. (Current Mission)					
REQUIREMENT: This project is urgently required to provide adequate, secure, safe facilities for the fabrication, assembly, and storage of classified advanced armored targets. Materiel utilized in targets requires special					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Target Assembly and Storage Facility	5. PROJECT NUMBER 17544	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>precautions, procedures and support equipment during machining, fabrication and assembly to meet safety and environmental requirements. Targets, materials, and technique are classified and require secure facilities. Assembly and storage facility must be close to a firing range for test purposes and must provide for safe and secure storage, evaluation and assessment of targets after tests. Rapid advances in armor technology make this facility a continued necessity.</p> <p><u>CURRENT SITUATION:</u> Existing target assembly facilities are housed in four separate buildings. Two prefabricated buildings are used for normal duty hour component assembly. An earthen bunker provides temporary visual shielding of completed target assemblies and a small block building, which has been upgraded, is intended for overnight storage of special access (SAP) targets. The advent of depleted uranium armor for Army combat vehicles has expanded the Armored Systems Modernization (ASM) Plan testing efforts to include integration of the depleted uranium with other technologies such as glass and ceramics. The two prefabricated buildings and the bunker cannot be used for this purpose because of safety and environmental protection considerations. This leaves the small block building as the only facility in which these activities can take place. The small size of this building prohibits the meeting of ASM milestones. For instance, the area is not large enough to accept a full M1 turret nor the frontal armor sections of the new Block III tank. In addition, since all targets are fired at with rounds made of depleted uranium, they become contaminated and must be returned to this one undersized building for disassembly and analysis. Attempting to accomplish all these activities simultaneously in the space-restricted block building poses undue health, safety, environmental, and scheduling problems. Further, lack of storage and the need to transport the other test materials between various buildings risks exposure of classified material. On several occasions, operations had to be stopped to correct Class 2 environmental violations. The facility was shutdown between 13-19 November 1991 in order to decontaminate the walls, floors, and other surfaces of the block building to acceptable levels for the personnel. From 5-8 May 1991, operations were curtailed while personnel decontaminated and contained surface soil. Both of these incidents could have been avoided in a facility which can properly isolate these activities and by having appropriate ventilation and filtration. None of these four buildings can be effectively modified to meet these requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, ASM program milestones for armor development cannot be met. The Ballistic Research Laboratory (BRL) is the only government organization cleared to conduct "need-to-know" only R&D on depleted uranium armor. All M1A1 heavy armor technologies were developed at the BRL under minimum health, safety, and environmental requirements. These scattered facilities continue to be shut down as additional health, safety, and environmental issues surface and remain shut down until corrective action is taken. The BRL's R&D efforts for the ASM</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Target Assembly and Storage Facility	5. PROJECT NUMBER 17544	
<p><u>IMPACT IF NOT PROVIDED:</u> (CONTINUED) Plan require the consolidation of scattered facilities operating within a well-designed, integrated facility.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>AUG 1988</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>100</u>
(d) Design Complete Date.....		<u>MAY 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>90</u>
(b) All Other Design Costs.....		<u>55</u>
(c) Total Design Cost.....		<u>145</u>
(d) Contract.....		<u>100</u>
(e) In-house.....		<u>45</u>
(4) Construction Start.....		
		<u>DEC 1993</u> month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland			
4. PROJECT TITLE Target Assembly and Storage Facility	5. PROJECT NUMBER 17544		
12. SUPPLEMENTAL DATA: (CONTINUED) B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS Equipment	RDT&E	1995	14
User Equip	RDT&E	1995	12
Info Sys - ISC	OPA	1995	9
Info Sys - PROP	OPA	1995	42
TOTAL			77

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE		
ARMY					APRIL 1993		
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Aberdeen Proving Ground Maryland				Upgrade Range Complex			
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
65601A		371	29622	Auth	4,450		
				Approp	4,450		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							3,492
Range Complex				LS	--	--	(3,335)
IDS Installation				LS	--	--	(55)
Building Information Systems				LS	--	--	(102)
<u>SUPPORTING FACILITIES</u>							509
Electric Service				LS	--	--	(268)
Site Imp() Demo(5)				LS	--	--	(5)
Information Systems				LS	--	--	(236)
ESTIMATED CONTRACT COST							4,001
CONTINGENCY PERCENT (5.00%)							200
SUBTOTAL							4,201
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							252
TOTAL REQUEST							4,453
TOTAL REQUEST (ROUNDED)							4,450
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1,396)
10. Description of Proposed Construction							
<p>Modernize a live-fire vulnerability range complex. Primary facilities include all construction within the perimeter of the range complex and consist of a secure, sheltered range support building, uploaded vehicle storage building, two ammunition storage igloos, fire suppression deluge system, all-weather range access roads, paving, storm drainage, parking, environmental pads to contain fuel and lubricant spills, security fencing and lighting, and site improvements including dud clearance. Features include upgrading seven existing test positions; installing an intrusion detection system (IDS); providing a range support building with an overhead crane; protecting parking areas from test blast and fragmentation; providing an alarmed arms storage room, tool storage, security surveillance area, and break and latrine facilities. Heating will be provided by an oil-fired self-contained system. Air conditioning (25 tons) will be provided by a self-contained unit. Supporting facilities include facilities outside the range complex perimeter and consist of electric service, information systems, and site improvements. Demolish one building (1,080 SF) within the footprint. Targetry will be funded by Research, Development, Testing and Evaluation (RDT&E).</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Upgrade Range Complex	5. PROJECT NUMBER 29622	
<p>11. <u>REQUIREMENT:</u> 1 EA ADEQUATE: NONE SUBSTANDARD: 1 EA</p> <p><u>PROJECT:</u> Modernize a live-fire vulnerability range complex. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to support live-fire vulnerability and survivability testing and evaluation of major combat systems and related components prior to full production as mandated by Public Law 99-661. Previous vulnerability testing on combat vehicles evaluated only the ability of the armor to meet specifications. Live-fire testing provides critical data by subjecting weapons systems to realistic enemy threats. Testing evaluates battlefield survivability and considers all issues such as crew casualties, fire, ballistic shock, and battlefield damage repair. These issues affect every aspect of system vulnerability including fire control, armor integrity, mobility, logistics supportability, and maintenance. Additionally, the changes in the design of combat systems resulting from live-fire testing must be re-tested. Consequently, range improvements are required to permit such testing to be conducted properly, in an efficient, environmentally acceptable and timely manner, while minimizing post-test losses (e.g., from fire or secondary explosions) to costly items under test.</p> <p><u>CURRENT SITUATION:</u> Live fire vulnerability and survivability testing has been conducted at Aberdeen Proving Ground since 1987 as a result of the Congressional mandate. The initial program to undergo this testing was the M2 Bradley Fighting Vehicle. Currently testing is being conducted on the Paladin, HOMS, and M830E. Scheduled tests include the M1A2, Search and Destroy Armor Munition (SADARM), and Armored Gun Systems. The Poverty Island range complex consists of seven separate test positions connected by gravel roadways. Electrical service is inadequate throughout the complex, and portable generators and lighting are routinely used to support test programs. Instrumentation, storage, and office support functions are housed in makeshift shacks and mobile trailers and are shielded from blast and fragmentation by makeshift shielding. Ammunition and small arms are stored at remote sites and must be kept temporarily in a holding box monitored by a security guard. Fire suppression systems exist at only two of the seven test positions and consist of water storage tanks supplied by truck. Lack of facilities do not allow full time security surveillance or control to be maintained within the complex.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Army will not be able to keep pace with the live-fire vulnerability and survivability test workload mandated by Congress nor provide the broad spectrum of complex tests required to support the expanding test mission. Delays in testing and inability to obtain certain test data or to extinguish test fires will have adverse impacts on systems milestones or result in the loss of millions of dollars of test assets. Additionally, live-fire vulnerability results will not be available to support strategies to ensure battlefield sustainability.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design</p>		

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Aberdeen Proving Ground, Maryland			
4. PROJECT TITLE		5. PROJECT NUMBER	
Upgrade Range Complex		29622	
<p>ADDITIONAL: (CONTINUED)</p> <p>criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	APR 1992	
(b)	Percent Complete As Of 01 January 93 (BDGT YR)...	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR)...	100	
(d)	Design Complete Date.....	AUG 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	216	
(b)	All Other Design Costs.....	664	
(c)	Total Design Cost.....	880	
(d)	Contract.....	361	
(e)	In-house.....	519	
(4) Construction Start..... JUN 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment	Procuring	Fiscal Year	Cost
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>Or Requested</u>
			<u>(\$000)</u>
IDS Equipment	OPA	1994	122
Ballistic	RDT&E	1994	900
Cmd & Cntr	RDT&E	1994	262
Cabling	RDT&E	1994	20
Info Sys - ISC	OPA	1994	92
		TOTAL	1,396

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION	PAGE
			REQUEST	REQUEST	
Missouri		Fort Leonard Wood (TRADOC)			129
	13576	Operations Facility	1,000	1,000	131
		Subtotal For Fort Leonard Wood PART I	\$ 1,000	1,000	
		* TOTAL MCA FOR Missouri	\$ 1,000	1,000	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM						2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Leonard Wood Missouri			4. COMMAND US Army Training and Doctrine Command				5. AREA CONSTRUCTION COST INDEX 0.96		
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED			
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST
A. AS OF 30 SEP 1992		733	4967	2150	541	9298	98	17	57
B. END FY 1999		597	3800	2134	402	9063	0	13	20
								2796	20,657
								2796	18,825
7. INVENTORY DATA (\$000)									
A. TOTAL ACREAGE.....		62,911 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,458,388							
C. AUTHORIZATION NOT YET IN INVENTORY.....		0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		1,000							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		23,550							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0							
G. REMAINING DEFICIENCY.....		25,000							
H. GRAND TOTAL.....		1,507,938							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:									
CATEGORY		PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE				(\$000)	START	COMPLETE	
141	13576	Operations Facility				1,000	03/1992	09/1993	
TOTAL						1,000			
9. FUTURE PROJECTS:									
CATEGORY						COST			
CODE		PROJECT TITLE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:									
826		Air Condition Barracks				9,100			
179		Military Operations in Urbanized Terrain				9,800			
216		Ammunition Operations Facility				1,600			
179		Engineer Qualification Range				3,050			
TOTAL						23,550			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE									
10. MISSION OR MAJOR FUNCTIONS:									
Provides support and facilities for a US Army Training Center, US Army Engineer School, US Army Reception Station, Noncommissioned Officer Academy/Drill Sergeant School, US Army Hospital, major combat and combat support forces and other tenant activities. Supports Reserve Components and other satellited activities and units.									

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Leonard Wood Missouri				Operations Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
91520A		141		13576		Auth 1,000 Approp 1,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							725
CIDC Building				SF	6,403	103.96	(666)
IDS Installation				LS	--	--	(1)
Building Information Systems				LS	--	--	(58)
<u>SUPPORTING FACILITIES</u>							177
Electric Service				LS	--	--	(48)
Water, Sewer, Gas				LS	--	--	(7)
Paving, Walks, Curbs And Gutters				LS	--	--	(50)
Storm Drainage				LS	--	--	(5)
Site Imp(50) Demo()				LS	--	--	(50)
Information Systems				LS	--	--	(17)
ESTIMATED CONTRACT COST							902
CONTINGENCY PERCENT (5.00%)							45
SUBTOTAL							947
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							57
TOTAL REQUEST							1,004
TOTAL REQUEST (ROUNDED)							1,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(50)
10. Description of Proposed Construction Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Work includes administrative space; a polygraph suite; secured evidence repository; suspect isolation areas; duty agent suite; observation and interview areas; photo identification and fingerprint room; issue supply area; property and supply storage; and maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; sprinkler, fire protection and alarm systems; paving, walks, curbs and gutters; fencing; storm drainage; storm sewer outfall line; information systems; and site improvements. Access for the handicapped will be provided. Heating and air conditioning (10 tons) will be provided by self-contained systems.							
11. REQUIREMENT: 6,403 SF ADEQUATE: NONE SUBSTANDARD: 12,604 SF							
PROJECT: Construct a modified standard-design CIDC specialized field operations building. (Current Mission)							
REQUIREMENT: This project is required to provide adequate operating facilities, under one roof, for the 11 personnel in a field office of the US Army Criminal Investigation Command. This organization requires a facility							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993								
3. INSTALLATION AND LOCATION Fort Leonard Wood, Missouri										
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 13576									
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>with special purpose space, such as a polygraph room and an evidence depository, to perform its mission. No facilities on or off the installation can properly satisfy the requirement, and the currently-used buildings need to be scheduled for demolition.</p> <p><u>CURRENT SITUATION:</u> The Fort Leonard Wood Resident Agency, US Army CIDC (USACIDC), a separate tenant activity, currently occupies two semi-permanent mobilization-type buildings and an 800 SF ammunition bunker. The facilities are in advanced deterioration, and operation and maintenance are costly. The lack of adequate, suitable space for a polygraph suite, evidence room, and interview and observation areas required for CIDC operations has an increasingly detrimental impact on the criminal investigations mission. During the winter, the building is cold and drafty, and the water pipes are subject to freezing. The electrical wiring needs total replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the two buildings housing CIDC will continue to deteriorate. Investigations will not be completed in a timely manner. Agents will be required to spend extra time insuring proper separation of victims, witnesses, and suspects. The probability of potential witnesses being identified will continue and will increase the likelihood that vital information will be withheld because confidentiality cannot be assured. Operational efficiency will continue to suffer because major activities are located where space permits rather than where functional responsibilities direct. Extra time will be necessary to eliminate environmental factors on polygraph results. Present conditions will continue to create poor morale, decrease productivity, and hamper the criminal investigative mission.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>										
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td><u>MAR 1992</u></td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td><u>35</u></td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td><u>100</u></td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td><u>SEP 1993</u></td> </tr> </table>			(a) Design Start Date.....	<u>MAR 1992</u>	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>	(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>	(d) Design Complete Date.....	<u>SEP 1993</u>
(a) Design Start Date.....	<u>MAR 1992</u>									
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>									
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>									
(d) Design Complete Date.....	<u>SEP 1993</u>									

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Leonard Wood, Missouri			
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 13576		
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		<u>50</u>	
(b) All Other Design Costs.....		<u>30</u>	
(c) Total Design Cost.....		<u>80</u>	
(d) Contract.....		<u>60</u>	
(e) In-house.....		<u>20</u>	
(4) Construction Start..... <u>JAN 1994</u> month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS Equipment	OPA	1993	39
Info Sys - ISC	OPA	1994	11
		TOTAL	<u>50</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Nevada		Hawthorne Army Ammunition Plant (AMC)			137
	40708	Container Holding Pads	7,000	7,000	139
		Subtotal For Hawthorne Army Ammunition Plant PART I	\$ 7,000	7,000	
	* TOTAL MCA FOR Nevada		\$ 7,000	7,000	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant Nevada		4. COMMAND US Army Materiel Command				5. AREA CONSTRUCTION COST INDEX 1.17	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	3	0	32	0	0	0	1 3 766
B. END FY 1999	3	0	48	0	0	0	1 3 768 823
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	144,831 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,907,909						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	7,000						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	3,404						
H. GRAND TOTAL.....	1,918,313						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
425	40708	Container Holding Pads		7,000	10/1992	12/1993	
TOTAL				7,000			
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
To receive, issue, store, renovate, inspect, test, demilitarize and dispose of single manager and non-single manager conventional ammunition. To maintain capability to load, assemble, and pack ammunition items. To produce selected ammunition items as assigned. To maintain the capability to accommodate the receipt and shipment of containerized cargo.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				0			
B. WATER POLLUTION				0			
C. OCCUPATIONAL SAFETY AND HEALTH				0			

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE		
ARMY					APRIL 1993		
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Hawthorne Army Ammunition Plant Nevada				Container Holding Pads			
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)		
72896A		425	40708		Auth 7,000 Approp 7,000		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							4,408
Conc. Loading/Unloading Pad (3)				SY	16,668	43.38	(723)
Support Building (3)				SF	5,397	71.25	(385)
Block & Brace Shop (3)				SF	4,500	67.87	(305)
Covered Loading Dock (3)				SF	2,880	50.00	(144)
Covered Lumber Storage (3)				SF	4,500	39.40	(177)
Total from Continuation page							(2,674)
SUPPORTING FACILITIES							1,920
Electric Service				LS	--	--	(233)
Water, Sewer, Gas				LS	--	--	(323)
Paving, Walks, Curbs And Gutters				LS	--	--	(729)
Storm Drainage				LS	--	--	(113)
Site Imp(456) Demo()				LS	--	--	(456)
Information Systems				LS	--	--	(66)
ESTIMATED CONTRACT COST							6,328
CONTINGENCY PERCENT (5.00%)							316
SUBTOTAL							6,644
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							399
TOTAL REQUEST							7,043
TOTAL REQUEST (ROUNDED)							7,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction							
Construct three ammunition containerization sites. Each facility will provide a loading/unloading pad with road and rail access, pad lighting for 24-hour operations, two container storage areas, and a combined administrative and block and bracing shop facility. Supporting facilities include utilities; electric service; fire and lightning protection, and alarm systems; two rail siding spurs for each facility; paving, access roads, and parking; latrine facilities with septic fields; security fencing and lighting; information systems; and site improvements. Heating will be provided by self-contained oil-fired system. Supporting facility costs are high due to the remote location.							
11. REQUIREMENT: 16,668 SY ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Construct three facilities for packing, handling and shipping ammunition Military-Owned Demountable Containers (MILVAN). (Current Mission)							
REQUIREMENT: This project is required to provide an adequate capability to receive, handle, load/unload, and ship very large quantities of munitions in MILVAN containers in a safe, efficient, and timely manner. Weights of loaded containers and the heavy-duty material handling equipment required to move, load/unload such bulky items mandate a reinforced pavement to ensure all-							

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant, Nevada			
4. PROJECT TITLE Container Holding Pads		5. PROJECT NUMBER 40708	
9. COST ESTIMATES (CONTINUED)			
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>			
Rail Spur/R.R. Tracks (3)	LF	13,320	125.37 (1,670)
Lightning Protection	EA	96	3,397 (326)
Exterior/Security Lighting	EA	210	3,195 (671)
Building Information Systems	LS	--	-- (7)
		Total	2,674
<u>REQUIREMENT: (CONTINUED)</u>			
weather sustained operations. Wide dispersal of ammunition stocks among 2,200 igloos over 105,000 acres, and quantity-distance explosive safety limitations, mandate three separated sites to constrain haul distances and limit explosive quantities at any single site. Extensive munitions quantities involved and limitations of the regional transportation net require both rail and road access from each site.			
<u>CURRENT SITUATION:</u> Hawthorne Army Ammunition Plant (AAP) does not have an established facility for loading, handling, shipping or receiving ammunition stocks in MILVAN containers. The storage and shipping operations, which have been stressed with the recent consolidation of ammunition stocks from other depots and the retrograde from Desert Storm, involve a constant stream of heavy trucks loaded with munitions items, a fleet of small forklifts transferring pallets of munitions to or from MILVAN containers, and large heavy-duty forklifts shifting loaded (25-tons) and unloaded MILVANS between holding areas, loading positions, and shipping locations. All of these in operation quickly destroy any unprepared or lightly-paved surface and generate clouds of dust. Temporary unprepared holding areas have been utilized near existing loading docks and at various isolated areas in order to store MILVANS. These sites have no lighting for 24-hour operations, no prepared or stabilized surface, lack security measures, and provide no lightning or fire protection. These conditions require additional care, safety precautions and efforts that impede activities and prohibit timely and efficient operations. All necessary material handling equipment to support these three facilities is on hand and available for use.			
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the capability of this major ammunition storage site to rapidly load and ship MILVAN containers with required ammunition quantities will continue to be significantly impaired. Delays to shipments of containerized munitions will curtail abilities to provide timely and adequate support to rapid deployment elements. The quick reaction time that allowed the major allied logistics buildup during Desert Shield is widely credited as having critical impact on the outcome of Desert Storm, so that it is unlikely we will be allowed as much time to move required munitions stocks in any future confrontation.			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant, Nevada		
4. PROJECT TITLE Container Holding Pads	5. PROJECT NUMBER 40708	
12. SUPPLEMENTAL DATA: (CONTINUED)		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Cost <u>Or Requested</u> (\$000)
None		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION	PAGE
			REQUEST	REQUEST	
New Jersey		Fort Monmouth (AMC)			145
	2836	Satellite Control System Addition	7,500	7,500	147
		Subtotal For Fort Monmouth PART I	\$ 7,500	7,500	
		* TOTAL MCA FOR New Jersey	\$ 7,500	7,500	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Monmouth New Jersey			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.13	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER ENLIST CIVIL		OFFICER ENLIST CIVIL		TOTAL	
A. AS OF 30 SEP 1992	647	1471	7731	99	343	35	33 21 161 10,541
B. END FY 1999	465	1176	4734	102	336	0	92 28 1202 8,135
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	637 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....				402,298			
C. AUTHORIZATION NOT YET IN INVENTORY.....				0			
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....				7,500			
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....				0			
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....				0			
G. REMAINING DEFICIENCY.....				2,700			
H. GRAND TOTAL.....				412,498			
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS	
CODE	NUMBER			(\$000)	START	COMPLETE	
317	2836	Satellite Control System Addition		7,500	09/1985	10/1993	
				TOTAL	7,500		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for US Army Communications Electronics Command and its tenants.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				0			
B. WATER POLLUTION				0			
C. OCCUPATIONAL SAFETY AND HEALTH				0			

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Monmouth New Jersey				4. PROJECT TITLE Satellite Control System Addition		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 317	7. PROJECT NUMBER 2836		8. PROJECT COST (\$000) Auth 7,500 Approp 7,500	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						6,273
Satellite Control Sys Test Fac				SF	22,096	269.77 (5,961)
IDS Installation				LS	--	-- (102)
Special Pile Foundation				LS	--	-- (93)
Building Information Systems				LS	--	-- (117)
SUPPORTING FACILITIES						469
Electric Service				LS	--	-- (336)
Water, Sewer, Gas				LS	--	-- (47)
Paving, Walks, Curbs, And Gutter				LS	--	-- (47)
Storm Drainage				LS	--	-- (8)
Site Imp(11) Demo()				LS	--	-- (11)
Information Systems				LS	--	-- (20)
ESTIMATED CONTRACT COST						6,742
CONTINGENCY PERCENT (5.00%)						337
SUBTOTAL						7,079
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						425
TOTAL REQUEST						7,504
TOTAL REQUEST (ROUNDED)						7,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(171)
10. Description of Proposed Construction Construct an addition to the Satellite Control System Test Facility, with space for test and control equipment, operations, engineering, and technician training. Project includes elevator, fire protection, alarm and security systems. Provide equipment, raised floor and air conditioning. Special pile foundation is required. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; storm drainage; fencing; information systems; and site improvements. Heating (gas-fired) and air conditioning (200 tons) will be provided by self-contained units. Access for the handicapped will be provided. Addition will be located in a flood plain, but must be adjacent to existing equipment and antennas; mitigating measures include construction of ground floor above the 100-year flood plain.						
11. REQUIREMENT: 29,296 SF ADEQUATE: 7,200 SF SUBSTANDARD: NONE						
PROJECT: Construct an addition to the Satellite Control System Test Facility. (Current Mission)						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Monmouth, New Jersey		
4. PROJECT TITLE Satellite Control System Addition	5. PROJECT NUMBER 2836	
<p><u>REQUIREMENT:</u> This project is required to provide an appropriately positioned, environmentally controlled, electromagnetically shielded facility for development, testing, evaluation, and simulation of satellite communications devices supporting the Communications Electronics Command (CECOM), Army Materiel Command (AMC), and training of Defense Information Systems Agency (DISA) support personnel charged with development, operations, and maintenance of the satellite communication systems. The facility is required to be adjacent to the existing satellite transmission and reception antennas and equipment due to limits in the current transmission cabling technology.</p> <p><u>CURRENT SITUATION:</u> The existing Satellite Control System Test Facility is a temporary and relocatable structure that is too small to accommodate the equipment, operations, and personnel necessary for the mission. Army regulations allow use of relocatable facilities only if and while Military Construction (MILCON) funding is being sought. Millions of dollars of high-tech, state-of-the-art satellite control equipment is housed in a relatively unsecure building. Further, this temporary facility was provided as an emergency in 1989 and is only sized to house the basic control equipment. As a result, specialized equipment items are shuttled in and out of the facility as necessary to support immediate priority operations or training with frequent and costly delays while equipment is switched, moved, or recalibrated. Additional space for support personnel, spare part storage, control systems computer tape storage, and common usage instructional areas does not exist.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, lack of an integrated, comprehensive testing and simulation facility will result in the fielding and use of untested satellite control devices and software against orbiting satellites, with the associated risk that an undiscovered hardware or software flaw could cause significant, possibly even irreparable damage to a valuable satellite. Potential losses from damages or reduction in useful life of a single satellite could easily exceed costs of this facility.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Monmouth, New Jersey					
4. PROJECT TITLE Satellite Control System Addition				5. PROJECT NUMBER 2836	
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....					SEP 1985
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..					35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..					100
(d) Design Complete Date.....					OCT 1993
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) N					
(b) Where Design Was Most Recently Used					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications.....					426
(b) All Other Design Costs.....					424
(c) Total Design Cost.....					850
(d) Contract.....					650
(e) In-house.....					200
(4) Construction Start..... FEB 1994					
month & year					
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
IDS Eq	OPA	1994	2		
Info Sys - ISC	OPA	1994	168		
Info Sys - PROP		1994	1		
TOTAL			171		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
New Mexico		White Sands Missile Range (AMC)			153
	41204	Target Track	2,900	2,900	155
		Subtotal For White Sands Missile Range PART I	\$ 2,900	2,900	
		* TOTAL MCA FOR New Mexico	\$ 2,900	2,900	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION White Sands Missile Range New Mexico			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.10	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
TOTAL							
A. AS OF 30 SEP 1992	146	744	3111	0	0	0	17 85 2784 6,887
B. END FY 1999	104	444	2695	0	0	0	17 86 2774 6,120
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 1,746,720 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 1,604,866							
C. AUTHORIZATION NOT YET IN INVENTORY..... 0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 2,900							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 10,800							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0							
G. REMAINING DEFICIENCY..... 12,000							
H. GRAND TOTAL..... 1,630,566							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
390	41204	Target Track		2,900	10/1992	11/1993	
				TOTAL	2,900		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
312	Climate Test and Evaluation Facility		10,800				
				TOTAL	10,800		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
A National Range performing test and evaluation of missile and rocket systems and related material. Provides specialized technical support for all range users, including Army, Navy, Air Force and systems contractors.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				0			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993						
INSTALLATION AND LOCATION: White Sands Missile Range New Mexico								
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUED)</p> <table><tr><td data-bbox="203 407 339 425">B. WATER POLLUTION</td><td data-bbox="757 395 801 412">(\$000)</td></tr><tr><td data-bbox="203 430 451 448">C. OCCUPATIONAL SAFETY AND HEALTH</td><td data-bbox="794 418 801 435">0</td></tr><tr><td></td><td data-bbox="794 435 801 453">0</td></tr></table>			B. WATER POLLUTION	(\$000)	C. OCCUPATIONAL SAFETY AND HEALTH	0		0
B. WATER POLLUTION	(\$000)							
C. OCCUPATIONAL SAFETY AND HEALTH	0							
	0							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION White Sands Missile Range New Mexico				4. PROJECT TITLE Target Track				
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 390	7. PROJECT NUMBER 41204		8. PROJECT COST (\$000) Auth 2,900 APPPOP 2,900			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								2,599
Improve Target Track					SY	324,440	4.21	(1,368)
Modify Target Track					SY	20,134	17.00	(342)
Clearing 8 miles					SY	130,944	5.60	(733)
Roads to Optical Sites (6)					LS	--	--	(136)
Optical Site (6)					LS	--	--	(20)
<u>SUPPORTING FACILITIES</u>								
ESTIMATED CONTRACT COST								2,599
CONTINGENCY PERCENT (5.00%)								130
SUBTOTAL								2,729
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								164
TOTAL REQUEST								2,893
TOTAL REQUEST (ROUNDED)								2,900
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Upgrade an existing test range. Work includes improving an existing 13-mile graded-soil target test track by provision of drainage culverts and a built-up base course surface, and shoulder clearance along eight miles of right-of-way. Following initial testing, modify 1.5 miles of the improved test track by removal/repair of the base course surface and replacement with an asphalt surface. Construct six optical tracking and instrumentation sites, to include provision of surfaced access roads from existing roads and trails.								
11. REQUIREMENT: 13 MI ADEQUATE: NONE SUBSTANDARD: 13 MI								
PROJECT: Improve existing target track and construct optical instrumentation sites. (Current Mission)								
REQUIREMENT: This project is required to provide test track surface characteristics to satisfy technical requirements of the test program. Earth, base course, and asphalt surfaces are required to present representative acoustic and thermal signatures for evaluation of the weapon systems being tested. Six additional instrumentation sites are required to track and record weapon functions and flight profile events, to adequately cover the simultaneous dispense and flight functions of multiple submunitions.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION White Sands Missile Range, New Mexico		
4. PROJECT TITLE Target Track	5. PROJECT NUMBER 41204	
<p>CURRENT SITUATION: Test targets currently use a 13-mile graded-dirt test track. This track is adequate only to support initial phases of testing, when representative tactical conditions are not required. Six existing optical instrumentation sites are used to track and record functions of single submunition drop tests. Specific information regarding the test programs impacted by this request cannot be provided in this document due to security restrictions.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the test track will not provide tactically representative road surfaces and target area conditions required for realistic testing will not be available. Failure to provide additional optical instrumentation sites will limit abilities to track multiple submunitions released by weapons systems under tests. This will make it impossible to gather adequate data to assess performance of new weapons systems entering the developmental and pre-production stages of acquisition. As such systems subsequently join the munitions stockpile, such facilities will also be required for the conduct of stockpile reliability testing.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. A range electric power system, providing reliable commercial power, is under construction as an FY 93 Unspecified Minor MCA project (41203, \$1.45 Million), and provides power drops for instrumentation sites to be built under this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>OCT 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>95</u>
(d) Design Complete Date.....		<u>NOV 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		29

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION White Sands Missile Range, New Mexico		
4. PROJECT TITLE Target Track	5. PROJECT NUMBER 41204	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....		<u>203</u>
(c) Total Design Cost.....		<u>232</u>
(d) Contract.....		<u>145</u>
(e) In-house.....		<u>87</u>
(4) Construction Start.....	<u>MAY 1994</u>	month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Cost <u>Or Requested (\$000)</u>
None		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
New York		United States Military Academy (XXX)			161
	34548	Whole Barracks Renewal	13,800	13,800	163
		Subtotal For United States Military Academy PART I	\$ 13,800	13,800	
		* TOTAL MCA FOR New York	\$ 13,800	13,800	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy New York			4. COMMAND United States Military Academy			5. AREA CONSTRUCTION COST INDEX 1.13	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		794	652	2370	0	4465	0
B. END FY 1999		779	632	2419	0	4258	0
					31	1	894
					31	1	2177
							10,297
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		29,511 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,715,641					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		13,600					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		28,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		5,780					
G. REMAINING DEFICIENCY.....		42,950					
H. GRAND TOTAL.....		1,806,171					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS	
CODE	NUMBER			(\$000)	START	COMPLETE	
721	34548	Whole Barracks Renewal		13,800	09/1992	06/1993	
				TOTAL	13,800		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
722		Renovate Food Processing Facility		28,000			
				TOTAL	28,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The mission of the United States Military Academy (USMA) is to educate, train, and inspire the Corps of Cadets so that each graduate shall have the character, leadership, intellectual foundation, and other attributes essential to progression and continuing development throughout a career of exemplary service to the nation as an officer of the regular army. USMA is the installation manager for Stewart Army Subpost.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: United States Military Academy New York										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION United States Military Academy New York				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 85896A		6. CATEGORY CODE 721	7. PROJECT NUMBER 34548	8. PROJECT COST (\$000) Auth 13,800 Approp 13,800				
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								10,852
Barracks Addition					SP	9,060	140.52	(1,273)
Command Group HQ					SP	15,629	111.28	(1,739)
Barracks Renovation					SP	81,626	89.33	(7,292)
Asbestos Removal					LS	--	--	(131)
Building Information Systems					LS	--	--	(417)
SUPPORTING FACILITIES								1,132
Electric Service					LS	--	--	(353)
Water, Sewer, Gas					LS	--	--	(199)
Steam And/Or Chilled Water Distr					LS	--	--	(38)
Paving, Walks, Curbs And Gutters					LS	--	--	(57)
Storm Drainage					LS	--	--	(40)
Site Imp(276) Demo()					LS	--	--	(276)
Information Systems					LS	--	--	(169)
ESTIMATED CONTRACT COST								11,984
CONTINGENCY PERCENT (8.50%)								1,019
SUBTOTAL								13,003
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								780
TOTAL REQUEST								13,783
TOTAL REQUEST (ROUNDED)								13,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(86)
10. Description of Proposed Construction Renovate the interior of two historic enlisted personnel barracks. Project includes living/sleeping rooms with private bath, walk-in closets, and includes an addition to one barracks. Construct a detached consolidated Battalion and Three Company Headquarters and Supply building, with classrooms and arms room included in military police company space. Renovate and reconfigure into current standard modules to accommodate enlisted barracks facilities. Work includes fire stairs and asbestos removal. Basement area will contain bulk storage space, weight room, laundry facilities, mud room and future common use area. Dorm office and common use area will be provided along with mail facilities on the first floor. Supporting facilities include utilities; electric service; sanitary sewer; fire protection and alarm systems; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided in the Command Group Headquarters building. Heating will be provided from existing central steam plant. Barracks heating and cooling will be fan coil units with individual room controls. Air conditioning: 240 tons. Comprehensive Interior Design services are requested.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION United States Military Academy, New York		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 34548	
<p>11. REQUIREMENT: 209 PN ADEQUATE: NONE SUBSTANDARD: NONE</p>		
<p>PROJECT: Renovate two enlisted barracks and provide barracks addition and a headquarters building to meet the Whole Barracks Renewal Program Standard. (Current Mission)</p>		
<p>REQUIREMENT: This project is required to provide barracks and command administration for all enlisted soldiers stationed at West Point. The requirement for this project will not be affected by reductions in the size of the Corps of Cadets, which have no effect on enlisted support strength. The renovated barracks and addition will provide housing for 178 E1-E4 and 31 E5-E6. Intended utilization is 209 spaces. This will allow a maximum utilization of 240 spaces.</p>		
<p>CURRENT SITUATION: The Military Police (MP) barracks currently share an aging administration building with the Provost Marshal administrative offices. The north dining facility serving the MP Company is currently located in a separate building. The Headquarters, Medical Department Activity and Dental Activity companies' barracks are currently housed in the two buildings to be renovated. All barracks require major renovations to optimize use of the available space to comply with current life safety standards. All facilities currently used for these functions are in poor condition because of the protracted period since the last major renovation, and are a burden to the maintenance and repair program. The two buildings (currently containing 173 spaces) to be revitalized are virtually identical: heating, ventilation and air conditioning (HVAC) are inadequate, plumbing with gang latrines is substandard and interior surfaces are badly worn. One building includes a modern dining facility which remains in operation with no work under this project. The other building includes approximately 7,000 SF of storage areas which will be converted to barracks. The north dining facility serving the MPs will be closed as a result of the consolidation.</p>		
<p>IMPACT IF NOT PROVIDED: If this project is not provided, the single enlisted soldiers will continue to live in deplorable conditions enduring inadequate HVAC, plumbing, electrical, and life-safety systems. These aging facilities will continue to be a burden to the maintenance and repair program through piecemeal major repairs. The north dining facility will continue to operate, thereby burdening the operations and maintenance programs.</p>		
<p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project. The following are related projects: FY 92 PN 31081 - Military Police Station/Garrison Commander Headquarters; FY 94 OMA Project -</p>		

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
United States Military Academy, New York			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Barracks Renewal		34548	
ADDITIONAL: (CONTINUED)			
Exterior M/R Buildings and Site Improvements; FY 93 OMA Project - Consolidate Enlisted Recreational Facilities; FY 95 OMA Project - Road Extension; FY 97 OMA Project - Demolition, World War II Buildings (30,000 GSF).			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	SEP 1992	
(b)	Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d)	Design Complete Date.....	JUN 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	816	
(b)	All Other Design Costs.....	680	
(c)	Total Design Cost.....	1,496	
(d)	Contract.....	1,088	
(e)	In-house.....	408	
(4) Construction Start..... APR 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Info Sys - ISC	OPA	0000	80
Info Sys - PROP	OPA	0000	6
		TOTAL	86

DEPARTMENT OF THE ARMY
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 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
North Carolina		Fort Bragg (FORSCOM)			169
	1731	Tactical Equipment Shop	23,000	23,000	171
	4641	Tactical Equipment Shop	7,100	7,100	175
	35358	Whole Brigade Barracks Complex	71,600	71,600	178
	40444	Sewage Treatment Plant Upgrade	540	540	182
		Subtotal For Fort Bragg PART I	\$ 102,240	102,240	
		* TOTAL MCA FOR North Carolina	\$ 102,240	102,240	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Port Braggy North Carolina			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.80	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		4918	34475	4234	278	1858	0
B. END FY 1999		5261	34316	5029	289	1325	0
					0	250	1270
						1466	1466
							48,749
							49,207
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 129,431 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 3,068,225							
C. AUTHORIZATION NOT YET IN INVENTORY..... 0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 102,240							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 24,000							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0							
G. REMAINING DEFICIENCY..... 190,412							
H. GRAND TOTAL..... 3,384,877							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY		PROJECT		PROJECT TITLE		COST	DESIGN STATUS
CODE	NUMBER					(\$000)	START COMPLETE
214	1731	Tactical Equipment Shop				23,000	01/1992 09/1993
214	4641	Tactical Equipment Shop				7,100	01/1992 09/1993
721	35358	Whole Brigade Barracks Complex				71,600	09/1992 09/1993
831	40444	Sewage Treatment Plant Upgrade				540	10/1992 08/1993
TOTAL						102,240	
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE				COST	
CODE							(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:							
721	Whole Barracks Renewal						24,000
TOTAL						24,000	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Airborne Division and non-divisional support units; support to US Army Special Operations Command, including 1st US Army Special Operations Command, and the USA John F. Kennedy Special Warfare Center & School; XVIII Corps Headquarters and miscellaneous other tenant activities.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Bragg North Carolina										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">1,684</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">8,860</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	1,684	B. WATER POLLUTION	8,860	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	1,684									
B. WATER POLLUTION	8,860									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 ^a MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Bragg North Carolina				4. PROJECT TITLE Tactical Equipment Shop				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 214	7. PROJECT NUMBER 1731		8. PROJECT COST (\$000) Auth 23,000 Approp 23,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								15,755
Vehicle Maintenance Shops (4 EA)					SF	122,480	88.94	(10,894)
Deploy Equip Storages, (3)					SF	3,500	39.60	(139)
Crypto Vault					SF	3,013	99.32	(299)
Fuel Dispensing Building					SF	120	205.23	(25)
Oil Storage Buildings (3)					SF	480	70.00	(34)
Total from Continuation page								(4,364)
SUPPORTING FACILITIES								4,493
Electric Service					LS	--	--	(702)
Water, Sewer, Gas					LS	--	--	(320)
Steam And/Or Chilled Water Distr					LS	--	--	(485)
Paving, Walks, Curbs And Gutters					LS	--	--	(153)
Storm Drainage					LS	--	--	(609)
Site Imp(1,412) Demo(16)					LS	--	--	(1,428)
Information Systems					LS	--	--	(796)
ESTIMATED CONTRACT COST								20,248
CONTINGENCY PERCENT (5.00%)								1,012
SUBTOTAL								21,260
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,276
TOTAL REQUEST								22,536
TOTAL REQUEST (ROUNDED)								23,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(4,326)
10. Description of Proposed Construction Construct a standard-design organizational and direct support vehicle maintenance shop complex. The maintenance shops will consist of vehicle maintenance repair bays, general item and compact item repair areas, and special environment shops. Install electrically operated bay doors, lubricant dispensing facilities, vehicle exhaust ventilation, fire protection system, compressed air systems, full-width traveling bridge cranes, and inspection pits. Relocate existing MARS station, control building and antenna field. The complex includes deployment equipment storage buildings, oil storage buildings, fuel dispensing buildings with fuel islands and pumps, open storage areas, fuel storage tanks, and vehicle hardstand. Install an intrusion detection system (IDS) for a crypto vault. Supporting facilities include utilities; electric service; storm drainage; sewer systems; sewage pump station; fire protection and alarm systems; security lighting, fencing and gates; paving, walks, curbs and gutters; parking; information systems; and site improvements. Construct access road to connect the complex to a main road. Heating and air conditioning (44 tons) will be provided by self-contained units for administrative areas, crypto vaults, and special environment shops. Mechanical ventilation: 334,224 CFM. Demolish three buildings (5,450 SF) within the footprint. Support facility costs are high								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina					
4. PROJECT TITLE Tactical Equipment Shop				5. PROJECT NUMBER 1731	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Sentry Station	SF	104	263.97	(27)	
Fuel Dispensing System	GA	60,000	10.15	(609)	
Hardstand	SY	92,500	35.00	(3,238)	
IDS Installation	LS	--	--	(7)	
Relocate Existing MARS Station	LS	--	--	(313)	
Building Information Systems	LS	--	--	(170)	
			Total	4,364	
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>					
because the undeveloped site lacks infrastructure.					
<u>11. REQUIREMENT:</u> 215,485 SF ADEQUATE: 22,656 SF SUBSTANDARD: 12,285 SF					
<u>PROJECT:</u> Construct a standard-design organizational and direct support vehicle maintenance shop complex. (Current Mission)					
<u>REQUIREMENT:</u> This project is required to provide adequate facilities for the 782d Maintenance Battalion, which provides direct support maintenance for all division equipment except for parachutes and medical items. The equipment inventory ranges from tanks, to weaponry, to sensitive electronic, signal, and optical items. The readiness posture and effectiveness of the entire division depends on well-maintained equipment, a fully stocked parts system, and adequate service facilities. This project also provides organizational and direct support space for the 782d Battalion to maintain its own vehicles and trailers. The shops will accommodate 483 personnel.					
<u>CURRENT SITUATION:</u> The 782d Maintenance Battalion currently performs maintenance in 11 permanent and 11 temporary buildings. The four permanent shop buildings were constructed in 1955 and are poorly adapted for modern organizational and direct support maintenance. The facilities are too small for large equipment and lack overhead cranes and environmentally controlled shops for maintenance of radar, electronic, signal, and advanced weaponry. There is no storage for high-security parts for missile maintenance and only minimal security for highly classified weapons and communications systems. Some existing facilities are endangered by the Pope Air Force Base runway and must be removed due to danger during take-offs and landings. At completion of this project, the 11 permanent buildings, totalling 47,444 SF, will be turned over to the "Dragon Brigade" to make up their shortage of authorized maintenance space. The 11 temporary buildings are no longer economical to maintain and will be demolished.					
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the 782d Maintenance Battalion will continue to experience maintenance backlogs due to inadequate facilities. Troop morale and productivity will suffer as a result.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 1731	
<p><u>IMPACT IF NOT PROVIDED:</u> (CONTINUED)</p> <p>As part of the 82d Airborne Division Support Command (DISCOM), the 782d has a rapid deployment mission. The proposed facility has special storage, security and access requirements to support this missions. The uniqueness of this mission also makes it impractical to collocate this facility with other organizational maintenance facilities such as the proposed tactical equipment shop.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		JAN 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		35
(c) Percent Complete As Of 01 October 93 (PROG YR)..		100
(d) Design Complete Date.....		SEP 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used Fort Bragg		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		1,150
(b) All Other Design Costs.....		530
(c) Total Design Cost.....		1,680
(d) Contract.....		700
(e) In-house.....		980
(4) Construction Start..... JAN 1994		
month & year		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993												
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina														
4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 1731													
<p>12. SUPPLEMENTAL DATA: (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th data-bbox="122 478 277 522">Equipment Nomenclature</th> <th data-bbox="474 478 619 522">Procuring Appropriation</th> <th data-bbox="750 455 884 522">Fiscal Year Appropriated Or Requested</th> <th data-bbox="915 478 982 522">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="122 543 277 560">Info Sys - ISC</td> <td data-bbox="495 543 532 560">OPA</td> <td data-bbox="760 543 812 560">0000</td> <td data-bbox="926 543 982 560">4,326</td> </tr> <tr> <td colspan="3" data-bbox="770 589 832 606" style="text-align: right;">TOTAL</td> <td data-bbox="926 589 982 606">4,326</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	Info Sys - ISC	OPA	0000	4,326	TOTAL			4,326
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)											
Info Sys - ISC	OPA	0000	4,326											
TOTAL			4,326											

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Bragg North Carolina				Tactical Equipment Shop			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		214		4641		Auth 7,100 Approp 7,100	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							4,935
Vehicle Maintenance Shop, Org.				SF	34,110	88.80	(3,029)
Deployment Equipment Storage				SF	3,500	40.00	(140)
Oil Storage Building				SF	540	70.00	(38)
Sentry Station				SF	80	225.82	(18)
Fuel Dispensing Building				SF	120	205.98	(25)
Total from Continuation page							(1,685)
<u>SUPPORTING FACILITIES</u>							1,428
Electric Service				LS	--	--	(149)
Water, Sewer, Gas				LS	--	--	(111)
Steam And/Or Chilled Water Distr				LS	--	--	(107)
Paving, Walks, Curbs And Gutters				LS	--	--	(48)
Storm Drainage				LS	--	--	(102)
Site Imp(649) Demo(29)				LS	--	--	(678)
Information Systems				LS	--	--	(221)
Heating Oil Storage				LS	--	--	(12)
ESTIMATED CONTRACT COST							6,363
CONTINGENCY PERCENT (5.00%)							318
SUBTOTAL							6,681
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							401
TOTAL REQUEST							7,082
TOTAL REQUEST (ROUNDED)							7,100
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(4,616)
10. Description of Proposed Construction Construct a standard-design organizational and direct support maintenance shop with vehicle maintenance repair bays, administration and shop control areas, general and compact item repair areas, a special-environment shop, storage, a conference area, and latrines. Install electrically operated doors, lubricant dispensing facilities, exhaust ventilation, compressed air systems, full-width traveling bridge cranes, fire protection and alarm systems, and inspection pits. The complex will include deployment equipment storage, oil storage, sentry station, fuel islands and pumps, vehicle hardstands, a crypto vault with an intrusion detection system (IDS), and underground fuel storage tanks. Widen the road to the shop entrance. Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; storm drainage; sewer systems; security lighting; oil storage tank; fencing and gates; information systems; and site improvements. Heating and air conditioning (20 tons) will be provided by self-contained units for the administrative areas, crypto vault, and the special environment shop only. Mechanical ventilation: 92,747 CFM. Demolish five buildings (9,038 SF) within the footprint. Supporting facilities costs are high because of extensive site work and demolition requirements.							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Bragg, North Carolina			
4. PROJECT TITLE		5. PROJECT NUMBER	
Tactical Equipment Shop		4641	
9. COST ESTIMATES (CONTINUED)			
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>			
Crypto Vault	SF	2,027	96.13 (195)
Hardstand	SY	26,330	35.00 (922)
Aprons	SY	5,400	35.00 (189)
Fuel Dispensing System	GA	30,000	8.10 (243)
IDS Installation	EA	5	2,200 (11)
Building Information Systems	LS	--	-- (125)
			Total 1,685
11. REQUIREMENT: 1,379,914 SF ADEQUATE: 445,427 SF SUBSTANDARD: 216,758 SF			
PROJECT: Construct a standard-design tactical equipment shop. (Current Mission)			
REQUIREMENT: This project is required to provide essential maintenance for the 35th Signal Brigade and organizational maintenance for 337 wheeled vehicles and combat trailers assigned to the 25th Signal Battalion and Headquarters and Headquarters Company (HHC), 35th Signal Brigade.			
CURRENT SITUATION: The 25th Signal Battalion and HHC, 35th Signal Brigade, share extremely crowded maintenance facilities with the 50th and 426th Signal Battalions. These facilities were designed to house only two battalions. These facilities currently have five times as much equipment as the facilities were originally designed for. The cramped conditions cause ineffective operational control and inadequate security. Present facilities have no provisions for generator maintenance or communications, crypto, or small item repair. The existing two-lane road serves various vehicle maintenance shops and a large number of World War II structures, and is adequate to support the existing and future maintenance facilities in this area. The missions of these units do not include a rapid deployment requirement. As such, it is not appropriate to collocate this proposed maintenance facility with that proposed for the 782d Maintenance Battalion.			
IMPACT IF NOT PROVIDED: If this project is not provided, the 25th Signal Battalion and HHC, 35th Signal Brigade, must continue maintenance functions in severely crowded and inadequate facilities. Readiness posture will be severely hampered, and troop productivity will suffer due to the crowded, inadequate conditions or in areas exposed to the elements.			
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all			

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina			
4. PROJECT TITLE Tactical Equipment Shop		5. PROJECT NUMBER 4641	
ADDITIONAL: (CONTINUED) subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.			
12. SUPPLEMENTAL DATA: A. Estimated Design Data: (1) Status: (a) Design Start Date..... <u>JAN 1992</u> (b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>35</u> (c) Percent Complete As Of 01 October 93 (PROG YR).. <u>100</u> (d) Design Complete Date..... <u>SEP 1993</u> (2) Basis: (a) Standard or Definitive Design - (YES/NO) <u>Y</u> (b) Where Design Was Most Recently Used <u>Fort Bragg</u> (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000) (a) Production of Plans and Specifications..... <u>390</u> (b) All Other Design Costs..... <u>202</u> (c) Total Design Cost..... <u>592</u> (d) Contract..... <u>342</u> (e) In-house..... <u>250</u> (4) Construction Start..... <u>FEB 1994</u> month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS Equipment	OPA	1994	33
Info Sys - ISC	OPA	1994	4,583
		TOTAL	<u>4,616</u>

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
Fort Bragg North Carolina				Whole Brigade Barracks Complex		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		721	35358		Auth 71,600 Approx 71,600	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						
Brigade Area Barracks				SF	243,000	72.00 (17,496)
Company Operations Building				SF	79,857	72.92 (5,824)
Dining Facility				SF	14,116	145.00 (2,047)
Battalion Headquarters Building				SF	51,536	78.59 (4,050)
Brigade Headquarters Building				SF	10,100	81.00 (818)
Total from Continuation page						(19,174)
SUPPORTING FACILITIES						
Electric Service				LS	--	-- (2,331)
Water, Sewer, Gas				LS	--	-- (559)
Steam And/Or Chilled Water Distr				LS	--	-- (2,218)
Paving, Walks, Curbs And Gutters				LS	--	-- (2,595)
Storm Drainage				LS	--	-- (506)
Site Imp(4,506) Demo(1,139)				LS	--	-- (5,644)
Information Systems				LS	--	-- (1,068)
ESTIMATED CONTRACT COST						64,330
CONTINGENCY PERCENT (5.00%)						3,217
SUBTOTAL						67,547
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						4,053
TOTAL REQUEST						71,600
TOTAL REQUEST (ROUNDED)						71,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(1,865)
10. Description of Proposed Construction Revitalize Brigade Area Barracks Complex. Project includes constructing new barracks, company operations facilities, battalion and brigade headquarters, dining facilities, common use facilities, close-in training area, standard-design general purpose warehouse, parachute packing and drying facility, chiller plant, and heating plant. Barracks will include living/sleeping room, private bath, walk-in closets, storage, day room, television rooms, and laundry; exterior room entrances; two ceiling fans, and independent thermostat controls per room. Construct two-story company operations facilities for two large, three medium, and 12 small companies, three small and one large battalion headquarters, and one brigade headquarters based on the standard constrained site designs. Connect energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Construct a standard-design dining facility. Construct a heating plant and chiller plant (1,000 tons). Relocate Jump Training Facility. Asbestos removal is required. Supporting facilities include utilities; electric service; fire protection and alarms systems; picnic tables, benches, and bike racks; fencing and gates; paving, walks, curbs and gutters; parking; storm drainage; information systems; and site improvements. Heating and air conditioning (975 tons) will be provided. Demolish 20 buildings (230,730 SF) within the footprint, which						

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Bragg, North Carolina			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Brigade Barracks Complex		35358	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>			
Relocate Jump Training Facility	LS	--	(1,360)
Parachute Packing Facility	SF	125,502	51.00 (6,401)
General Purpose Warehouse	SF	68,878	45.00 (3,100)
Central Energy Plant	LS	--	(4,921)
EMCS Connections	LS	--	(1,000)
IDS Installation	LS	--	(25)
Building Information Systems	LS	--	(2,367)
		Total	19,174
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>			
includes the Parachute Packing Facility and General Purpose Warehouse.			
11. REQUIREMENT: 20,577 PN ADEQUATE: 13,840 PN SUBSTANDARD: 2,470 PN			
<u>PROJECT:</u> Revitalize a Brigade Area Barracks Complex to meet the Whole Barracks Renewal Program Standard. (Current Mission)			
<u>REQUIREMENT:</u> This project is required to provide barracks for the 82d Airborne Division using the Whole Barracks Renewal Program standard. This project will provide housing for a total of 833 enlisted personnel. Maximum utilization is 900 persons. These barracks require upgraded furnishings, upgraded laundry, a common use facility, site improvements around barracks, increased parking, and contiguous recreation areas to meet Army Community of Excellence standards. This project will upgrade the existing heating plant and construct a new chiller plant to support the construction of the barracks and administrative facilities in this project. This project is the first of several phases required to improve the quality-of-life for single soldiers. This project will also construct four battalion headquarters and one brigade headquarters for the 82d Airborne Division, to replace existing substandard facilities.			
<u>CURRENT SITUATION:</u> The typical barracks for the 82d Airborne Division soldier was constructed in 1955. These barracks are nearly 40 years old, the infrastructure is decaying, the soldiers still use gang latrines and showers, and existing heating, ventilation, and air conditioning (HVAC); and hot water systems require frequent repairing. There is evidence of reinforcement bar problems in some of the concrete structure, and water infiltration in the concrete slabs. The existing heat plant was constructed in 1955. Today this plant supplies hot water and heat to barracks, company administrative facilities, battalion headquarters, brigade headquarters, and various community activities in the 82d Division Arc District. Due to the age of the plant, Fort Bragg is faced with costly maintenance repairs and upkeep. The existing chiller plant was constructed 1974. The 82d Airborne Division uses			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Whole Brigade Barracks Complex	5. PROJECT NUMBER 35358	
<p><u>CURRENT SITUATION:</u> (CONTINUED) permanent, dispersed, inadequate facilities to accommodate brigade and battalion administrative functions: a typical brigade must rely on three, small, dispersed administrative facilities. Battalion headquarters use a combination of a module building designed for storage and converted barracks space. Administrative facilities have inefficient office layouts. Barracks space converted to battalion headquarters has not been upgraded to an adequate battalion headquarters standard. Temporary facilities will be used for future revitalization projects. The two-story designs are required due to the extremely constrained building sites caused by the need to preserve adjacent wooded area for the recovery of the endangered red-cockaded woodpecker.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inadequate barracks in the 82d Airborne Division area will continue to deteriorate to the point that the morale of the Division will be negatively affected. Brigade and battalion operations will continue to be split in multiple, undersized facilities that are nearly 40 years old.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	SEP 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	SEP 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	3,420	
(b) All Other Design Costs.....	2,130	
(c) Total Design Cost.....	5,550	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Whole Brigade Barracks Complex	5. PROJECT NUMBER 35358	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(d) Contract.....	3,500	
(e) In-house.....	2,050	
(4) Construction Start.....	JAN 1994	month & year
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> <u>Cost (\$000)</u>
IDS Equipment	OPA	1994 39
Info Sys - ISC	OPA	0000 1,826
		TOTAL 1,865

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Bragg North Carolina				4. PROJECT TITLE Sewage Treatment Plant Upgrade			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 831	7. PROJECT NUMBER 40444		8. PROJECT COST (\$000) Auth 540 Approp 540		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							431
Ultraviolet Equipment				LS	--	--	(320)
Concrete Structure				LS	--	--	(100)
Building Information Systems				LS	--	--	(11)
<u>SUPPORTING FACILITIES</u>							52
Electric Service				LS	--	--	(38)
Information Systems				LS	--	--	(14)
ESTIMATED CONTRACT COST							483
CONTINGENCY PERCENT (5.00%)							24
SUBTOTAL							507
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							30
TOTAL REQUEST							537
TOTAL REQUEST (ROUNDED)							540
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Upgrade the sewage treatment plant (STP). Work includes the design, fabrication, and installation of a fully integrated ultraviolet (UV) disinfection system. The UV system will have sufficient capacity to treat a peak flow of 12 million gallons daily (MGD) and an average flow of eight MGD. It will be capable of reducing the fecal coliform count to 200/100 ml. Facility will consist of two parallel channels to accommodate the UV equipment with sufficient space allocated to perform all monitoring and maintenance work to operate the system. The UV disinfection system will alter existing 36-inch pipe to allow it to function as a bypass. The new channels will serve as the normal effluent flow path. Supporting facilities include electric service and information systems.							
11. REQUIREMENT: 12,000 KG ADEQUATE: NONE SUBSTANDARD: 12,000 KG							
PROJECT: Upgrade sewage treatment plant. (Current Mission)							
REQUIREMENT: This project is required to meet the discharge standards prescribed by the North Carolina Department of Natural Resources and Community Development and to meet the operating requirements of the National Pollutant Discharge Elimination System (NPDES) permit.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Sewage Treatment Plant Upgrade	5. PROJECT NUMBER 40444	
<p><u>CURRENT SITUATION:</u> The sewage treatment plant was constructed in 1940-42 with major upgrades in 1981 and 1991. Fort Bragg cannot meet the STP effluent restrictions and discharge limitations of the NPDES permit issued in September 1991 without the construction of additional wastewater treatment facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Fort Bragg will continue polluting the Little River with effluent in excess of North Carolina Department of Natural Resources and Community Development standards.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	OCT 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d) Design Complete Date.....	AUG 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	27	
(b) All Other Design Costs.....	16	
(c) Total Design Cost.....	43	
(d) Contract.....	32	
(e) In-house.....	11	
(4) Construction Start.....	MAR 1994	
	month & year	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993								
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina										
4. PROJECT TITLE Sewage Treatment Plant Upgrade	5. PROJECT NUMBER 40444									
<p>12. <u>SUPPLEMENTAL DATA:</u> (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0"> <thead> <tr> <th data-bbox="142 483 280 525"><u>Equipment Nomenclature</u></th> <th data-bbox="477 483 625 525"><u>Procuring Appropriation</u></th> <th data-bbox="754 463 888 525"><u>Fiscal Year Appropriated Or Requested</u></th> <th data-bbox="919 483 985 525"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" data-bbox="522 548 570 566" style="text-align: center;">None</td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	None			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>							
None										

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION	PAGE
			REQUEST	REQUEST	
Oklahoma		Fort Sill (TRADOC)			187
	35242	Whole Barracks Renewal	15,700	15,700	189
		Subtotal For Fort Sill PART I	\$ 15,700	15,700	
		* TOTAL MCA FOR Oklahoma	\$ 15,700	15,700	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Sill Oklahoma			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.81	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1480	11424	2510	942	5455	1 70 79 2823 24,784
B. END FY 1999		1297	9990	2339	778	5222	0 70 79 2823 22,598
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		94,222 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,603,935					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		15,700					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		38,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		99,752					
H. GRAND TOTAL.....		1,757,387					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE				COST	DESIGN STATUS
CODE	NUMBER					(\$000)	START COMPLETE
721	35242	Whole Barracks Renewal				15,700	05/1992 09/1993
					TOTAL	15,700	
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE				COST	
CODE						(\$000)	
A. INCLUDED IN THE FY 1995 PROGRAM:							
214	Tactical Equipment Shop				22,000		
721	Whole Barracks Renewal				16,000		
					TOTAL	38,000	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of artillery and missile units, operation of the US Army Field Artillery Center and School, US Army Reception Center and provides support for tenant activities and Reserve Components summer training.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Sill Oklahoma										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="107 398 710 478"><thead><tr><th></th><th style="text-align: right;">(\$000)</th></tr></thead><tbody><tr><td>A. AIR POLLUTION</td><td style="text-align: right;">0</td></tr><tr><td>B. WATER POLLUTION</td><td style="text-align: right;">0</td></tr><tr><td>C. OCCUPATIONAL SAFETY AND HEALTH</td><td style="text-align: right;">0</td></tr></tbody></table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Sill Oklahoma				4. PROJECT TITLE Whole Barracks Renewal		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 35242		8. PROJECT COST (\$000) Auth 15,700 Approp 15,700	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY						
Rebuild Barracks (3)		SF	125,697	56.50	12,892 (7,102)	
Asbestos Removal		LS	--	--	(144)	
Bn/Bde Hqs Building		SF	36,600	71.30	(2,610)	
Company Operations		SF	29,400	71.30	(2,096)	
Elevated Water Storage Tower		LS	--	--	(731)	
Total from Continuation page					(209)	
SUPPORTING FACILITIES						
Electric Service		LS	--	--	886 (60)	
Water, Sewer, Gas		LS	--	--	(130)	
Paving, Walks, Curbs & Gutters		LS	--	--	(255)	
Storm Drainage		LS	--	--	(50)	
Site Imp(175) Demo(186)		LS	--	--	(361)	
Information Systems		LS	--	--	(30)	
ESTIMATED CONTRACT COST					13,778	
CONTINGENCY PERCENT (7.50%)					1,033	
SUBTOTAL					14,811	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					889	
TOTAL REQUEST					15,700	
TOTAL REQUEST (ROUNDED)					15,700	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(155)	
10. Description of Proposed Construction Modernize three barracks. Work includes living/sleeping room with private bath and walk-in closets, asbestos removal, removing and installing new walls. Provide floor covering, wall and ceiling finishings, private exterior entrances, and replace roofs. Convert first floor administrative and dining space to barracks and day room. Basement space will be converted to laundry and storage. Construct two modified standard-design Battalion Headquarters (Hqs), one Brigade Hqs, and eight standard-design Company Operations Facilities, and an elevated water tower. Connect energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, fire protection and alarm systems, paving, storm drainage, information systems, and site improvements. Heating and air conditioning (250 tons) will be provided from existing self-contained plants. Demolish three buildings (18,614 SF) and hardstand (2,500 SY) within the footprint.						
11. REQUIREMENT: 4,009 PN ADEQUATE: 575 PN SUBSTANDARD: 4,021 PN						
PROJECT: Modernize three barracks to meet the Whole Barracks Renewal Program Standard and construct one Brigade Hqs, two Battalion Hqs, and eight company operations facility, and an elevated water tower. (Current Mission)						

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Sill, Oklahoma					
4. PROJECT TITLE Whole Barracks Renewal				5. PROJECT NUMBER 35242	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
EMCS Connection	LS	--	--	(20)	
IDS Installation	LS	--	--	(10)	
Building Information Systems	LS	--	--	(179)	
			Total	209	
<u>REQUIREMENT:</u> This project is required to provide living quarter improvements in three enlisted barracks which were constructed in 1954. Space criteria for barracks has been revised to provide larger rooms, private baths, and relocate all administrative functions out of the barracks buildings. This project will provide housing for a total of 396 enlisted personnel (PN) (336 E1-E4 and 60 E5-E6). Maximum utilization will be 456 enlisted personnel. This is the first of ten barracks modernization projects and will rebuild three barracks, including converting administrative and dining space to barracks and day rooms. New facilities for one brigade, two battalions and eight batteries are required to replace the converted space in the existing barracks buildings. This project will provide a better environment for today's enlisted soldiers. Correction of substandard conditions will contribute to the health, welfare, and morale of the service members.					
<u>CURRENT SITUATION:</u> Each barracks currently provides living quarters for 88 E1-E4, and 12 E5-E6 personnel with a maximum utilization of 112 enlisted soldiers. Barracks were constructed in 1954 and remodeled in 1975. All systems have deteriorated; lighting and electrical outlets do not meet current standards; domestic hot water and heating systems are inefficient and antiquated. The overall maintenance needs of these buildings are excessive. Administrative space is limited and current layouts do not meet current standards and requirements of the modern Army. New design criteria also indicates that administrative space must be relocated outside the barracks buildings.					
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, soldiers will continue to live in substandard facilities. As a result major systems will fail, and costs of maintenance and repair will continue to escalate. Goals of the Army's Installation of Excellence Programs will not be met, which may directly affect the soldiers' morale, leading to loss of quality support to the Army.					
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																																		
3. INSTALLATION AND LOCATION Fort Sill, Oklahoma																																				
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 35242																																			
<p>ADDITIONAL: (CONTINUED) subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>																																				
<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table> <tr> <td>(a) Design Start Date.....</td> <td><u>MAY 1992</u></td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td><u>35</u></td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td><u>90</u></td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td><u>DEC 1993</u></td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) Y</p> <p>(b) Where Design Was Most Recently Used Fort Hood</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td><u>852</u></td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td><u>142</u></td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td><u>994</u></td> </tr> <tr> <td>(d) Contract.....</td> <td><u>994</u></td> </tr> <tr> <td>(e) In-house.....</td> <td><u>994</u></td> </tr> </table> <p>(4) Construction Start..... <u>APR 1994</u> month & year</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table> <thead> <tr> <th><u>Equipment Nomenclature</u></th> <th><u>Procuring Appropriation</u></th> <th><u>Fiscal Year Appropriated Or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>IDS Equipment</td> <td>OPA</td> <td>1994</td> <td>64</td> </tr> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td>91</td> </tr> <tr> <td></td> <td></td> <td>TOTAL</td> <td><u>155</u></td> </tr> </tbody> </table>			(a) Design Start Date.....	<u>MAY 1992</u>	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>	(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>90</u>	(d) Design Complete Date.....	<u>DEC 1993</u>	(a) Production of Plans and Specifications.....	<u>852</u>	(b) All Other Design Costs.....	<u>142</u>	(c) Total Design Cost.....	<u>994</u>	(d) Contract.....	<u>994</u>	(e) In-house.....	<u>994</u>	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	IDS Equipment	OPA	1994	64	Info Sys - ISC	OPA	1994	91			TOTAL	<u>155</u>
(a) Design Start Date.....	<u>MAY 1992</u>																																			
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>																																			
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(d) Design Complete Date.....	<u>DEC 1993</u>																																			
(a) Production of Plans and Specifications.....	<u>852</u>																																			
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<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>																																	
IDS Equipment	OPA	1994	64																																	
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		TOTAL	<u>155</u>																																	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION		APPROPRIATION	PAGE
			REQUEST	REQUEST	REQUEST	
Pennsylvania	32876	Tobyhanna Army Depot (AMC)				195
		Water Pollution Abatement (DBOF)	750		750	197
		Subtotal For Tobyhanna Army Depot PART I	\$ 750		750	
		* TOTAL MCA FOR Pennsylvania	\$ 750		750	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Tobyhanna Army Depot Pennsylvania			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.14	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		8	24	3364	0	0	0
B. END FY 1999		10	18	3486	0	0	0
					4	5	57
					6	6	633
							4,159
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		1,293 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		385,784					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		750					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		13,500					
H. GRAND TOTAL.....		400,034					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY		PROJECT		COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
871	32876	Water Pollution Abatement		750	05/1991	06/1992	
				TOTAL	750		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>Depot Mission: To operate a supply and maintenance depot providing for the receipt, storage, maintenance, issue and disposal of assigned commodities; to provide installation support to attached organizations, and to operate assigned facilities. (Authority: DESCOM-R 10-1) Major Functions: a. Supply (Stock Distribution - Storage): Provides logistical support to MRCs/NICPs to include project coordination, shipment planning and control, inventory management and maintenance of custodial records, and preservation, packing, marking and storage of all materials. b. Maintenance: Ground, airborne, navigational, and satellite communications - electronics equipments and missile systems. Worldwide maintenance field service support (on-site) for AUTODIN, SATCOM and interrupted power systems (UPS), AN/TTC-39, and AN/TTC-39. Special Workloads: Provide project design and development service for Special</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Tobyhanna Army Depot Pennsylvania										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>Fabrication Projects (SFP), including procurement data packages. Serve as the Center of Technical Excellence (CTX) for designated new or product improved systems and subsystems. Provide life cycle support, including DMWR and DMSP preparation, special fabrication, verification/validation, physical teardown, and logistics support planning. Operate an automated test system programming facility. Maintain a test program set (TPS) repository for CECOM. Serve as a DESCOM TPS Support Center.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="80 626 688 714"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

DEFENSE BUSINESS OPERATIONS FUND

The following item at Tobyhanna Army Depot, Pennsylvania is the only Army/Defense Business Operations Fund project that is proposed for Fiscal Year 1994

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Tobyhanna Army Depot Pennsylvania			4. PROJECT TITLE Water Pollution Abatement (DBOF)		
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 100	7. PROJECT NUMBER 32876	8. PROJECT COST (\$000) Auth 750 Approp 750	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Lime Feeder		EA	1	193,210	480 (193)
Detention Pond		SF	6,800	17.50	(119)
Sitewall		SF	2,500	37.50	(94)
Concrete Paving		SY	3,000	24.50	(74)
SUPPORTING FACILITIES					
Electric Service		LS	--	--	194 (59)
Water, Sewer, Gas		LS	--	--	(13)
Paving, Walks, Curbs And Gutters		LS	--	--	(43)
Storm Drainage		LS	--	--	(29)
Site Imp(50) Demo()		LS	--	--	(50)
ESTIMATED CONTRACT COST					674
CONTINGENCY PERCENT (5.00%)					34
SUBTOTAL					708
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					42
TOTAL REQUEST					750
TOTAL REQUEST (ROUNDED)					750
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Construct collection channels and detention basin to collect contaminated coal pile runoff. Construct a chemical feed and mix chamber to treat the contaminated runoff prior to discharge. Supporting facilities include water supply line, electric service, walks, pads, storm drainage, removal of a wall and a slab, and site improvements.					
11. REQUIREMENT: 378,000 GA ADEQUATE: NONE SUBSTANDARD: NONE					
PROJECT: Construct a pollution control water collection and detention system. (Current Mission)					
REQUIREMENT: This project is required to ensure that Tobyhanna Army Depot (TOAD) complies with the regulations of the National Pollution Discharge Elimination System (NPDES) Permit.					
CURRENT SITUATION: Precipitation on the main boiler plant coal pile leaches contaminants from the coal, and the runoff flows across an adjacent field, contaminating Hummler Run and Tobyhanna Creek. Hummler Run is classified as a high quality coldwater fishery by the Pennsylvania Department of Environmental Resources and requires protection. TOAD is a National Priority List (NPL) site, and construction of this project will address corrective action associated with this solid waste management unit.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Tobyhanna Army Depot, Pennsylvania		
4. PROJECT TITLE Water Pollution Abatement (DBOF)	5. PROJECT NUMBER 32876	
<p>IMPACT IF NOT PROVIDED: If this project is not provided, the Depot will continue to violate discharge parameters as established by its NPDES Permit, and will cause adverse environmental impact to Hummler Run and Tobyhanna Creek. With continued non-compliance, TOAD is susceptible to being cited and fined by the Pennsylvania Department of Environmental Resources (PADER), and US Environmental Protection Agency (USEPA). Delays in implementation of this project will adversely affect the expeditious completion of the work as set forth in the Intra-Agency Agreement between the Department of the Army and USEPA Region 3.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>MAY 1991</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)...		<u>100</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)...		<u>100</u>
(d) Design Complete Date.....		<u>JUN 1992</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>40</u>
(b) All Other Design Costs.....		<u>70</u>
(c) Total Design Cost.....		<u>110</u>
(d) Contract.....		<u>60</u>
(e) In-house.....		<u>50</u>
(4) Construction Start.....		<u>JAN 1994</u> month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Tobyhanna Army Depot, Pennsylvania		
4. PROJECT TITLE Water Pollution Abatement (DBOF)	5. PROJECT NUMBER 32876	
12. SUPPLEMENTAL DATA: (CONTINUED)		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Cost <u>Or Requested</u> (\$000)
None		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION	PAGE
			REQUEST	REQUEST	
South Carolina		Fort Jackson (TRADOC)			203
	3240	Operations Facility	1,100	1,100	205
	6936	Range Upgrade	1,600	1,600	208
		Subtotal For Fort Jackson PART I	\$ 2,700	2,700	
		* TOTAL MCA FOR South Carolina	\$ 2,700	2,700	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Jackson South Carolina			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.82	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	575	3080	2010	13	12226	76	26
B. END FY 1999	608	3312	2787	237	13287	47	33
						74	575
							113
							18,217
							20,960
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	52,304 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,102,169						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	2,700						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	14,800						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	31,139						
H. GRAND TOTAL.....	1,150,808						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
141	3240	Operations Facility		1,100	03/1992	09/1993	
179	6936	Range Upgrade		1,600	01/1992	09/1993	
TOTAL				2,700			
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721	Whole Barracks Renewal			14,800			
TOTAL				14,800			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
To provide logistical support and facilities for a U.S. Army training center for enlisted personnel and a U.S. Army reception station. Support of summer reserve training and military entrance processing station. Also support of U.S. Army hospital (435) and TO&E/TDA STRAF units.							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Jackson South Carolina				4. PROJECT TITLE Operations Facility			
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 3240		8. PROJECT COST (\$000) Auth 1,100 Approp 1,100		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							746
CIDC Field Operation Building				SF	7,450	92.50	(689)
EMCS Connection				LS	--	--	(24)
IDS Installation				LS	--	--	(8)
Building Information Systems				LS	--	--	(25)
SUPPORTING FACILITIES							258
Electric Service				LS	--	--	(65)
Water, Sewer, Gas				LS	--	--	(21)
Paving, Walks, Curbs And Gutters				LS	--	--	(64)
Storm Drainage				LS	--	--	(27)
Site Imp(68) Demo()				LS	--	--	(68)
Information Systems				LS	--	--	(13)
ESTIMATED CONTRACT COST							1,004
CONTINGENCY PERCENT (5.00%)							50
SUBTOTAL							1,054
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							63
TOTAL REQUEST							1,117
TOTAL REQUEST (ROUNDED)							1,100
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(48)
10. Description of Proposed Construction Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Project includes administrative space; a polygraph suite; secured evidence repository; suspect isolation areas; duty agent suite; observation and interview areas with acoustic separation; photo identification and fingerprint room; property and supply storage and maintenance areas. Install an intrusion detection system (IDS). Connect to energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; lightning protection; sanitary and storm sewers; fire protection and alarm systems; access roads; paving, walks, curbs and gutters; parking; fencing; information systems; and site improvements. Heating and air conditioning (25 tons) will be provided by self-contained systems. Access for the handicapped will be provided.							
11. REQUIREMENT: 7,450 SF ADEQUATE: NONE SUBSTANDARD: 7,450 SF							
PROJECT: Construct a modified standard-design CIDC field operations building. (Current Mission)							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Jackson, South Carolina			
4. PROJECT TITLE Operations Facility		5. PROJECT NUMBER 3240	
<p><u>REQUIREMENT:</u> This project is required to provide a field office for 13 personnel of the US Army Criminal Investigation Command. Since this unit converts from a Table of Distribution and Allowances (TDA) to Table of Organization and Equipment (TOE) combat support unit in FY 92, space is required for nine non-tactical vehicles, nine High Mobility Multi-Purpose Wheeled Vehicles (HMMWV), and Modified Table of Organization and Equipment (MTOE) for 26-man detachment.</p> <p><u>CURRENT SITUATION:</u> The CIDC Field Office at Fort Jackson is currently housed in three temporary World War II buildings. These facilities are approximately 40 years old, with an original life expectancy of approximately five years, and are not suitable for continued use because of unfavorable location, inadequate size, environmental and energy inefficient features, adverse health and safety conditions, and high maintenance and utility costs. These facilities are cold in the winter, and the lack of adequate contiguous space and mission unique space required for CID operations has an increasingly detrimental impact on the CIDC's mission. These buildings need to be demolished as soon as they are vacated.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, these structures will continue to deteriorate. Separation of victims, witnesses, and suspects will continue to consume an inordinate amount of time. A high probability of potential witnesses being seen by suspects and therefore withholding vital information will continue. Operational inefficiency will continue because major activities are located where space permits rather than where function directs. An excessive amount of time will be necessary to eliminate environmental factors on polygraph results. The present space arrangement and working conditions will continue to lower productivity and morale. The conversion to MTOE will exacerbate these problems.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....			MAR 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR)..			35
(c) Percent Complete As Of 01 October 93 (PROG YR)..			100

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Jackson, South Carolina		
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 3240	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(d) Design Complete Date..... SEP 1993		
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used Fort Rucker		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications..... 60		
(b) All Other Design Costs..... 96		
(c) Total Design Cost..... 156		
(d) Contract.....		
(e) In-house..... 156		
(4) Construction Start..... JAN 1994 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Or Requested</u> Cost <u>(\$000)</u>
IDS Equipment	OPA	1993 7
Info Sys - ISC	OPA	1994 41
		TOTAL 48

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Jackson South Carolina				4. PROJECT TITLE Range Upgrade			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 179		7. PROJECT NUMBER 6936		8. PROJECT COST (\$000) Auth 1,600 Approp 1,600	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							1,356
Modified Record Fire Range				LS	--	--	(1,353)
Building Information Systems				LS	--	--	(3)
<u>SUPPORTING FACILITIES</u>							74
Electric Service				LS	--	--	(18)
Storm Drainage				LS	--	--	(41)
Site Imp(3) Demo(7)				LS	--	--	(10)
Information Systems				LS	--	--	(4)
Fuel Oil Storage				LS	--	--	(1)
ESTIMATED CONTRACT COST							1,430
CONTINGENCY PERCENT (5.00%)							72
SUBTOTAL							1,502
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							90
TOTAL REQUEST							1,592
TOTAL REQUEST (ROUNDED)							1,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(354)
10. Description of Proposed Construction Construct a standard-design, modified record fire range on existing ranges 11 and 12. Primary facilities include all construction within the perimeter of the range complex and include general instruction building, target emplacements with protective berms, control tower, information systems, operations and storage facility, weapons cleaning and ammunition dispensing shelters, latrines, covered mess, bleacher enclosure, flag pole, and foxholes. All buildings will be supplied with adequate lightning protection. Supporting facilities include all construction outside the perimeter of the range complex including fire protection, electric service, storm drainage, paving, fencing, access roads, parking, fuel-oil storage, information systems, and site improvements. Heating will be provided for the operations and storage facility by an oil-fired furnace. Air conditioning (1 ton) will be provided by a self-contained unit for the control tower. Demolish two outdated ranges and eight wood structures (2,146 SF) all within the footprint. Targetry will be provided by Other Procurement, Army (OPA).							
11. REQUIREMENT:		6 EA ADEQUATE:		1 EA SUBSTANDARD:		3 EA	
PROJECT: Construct a standard-design modified record fire range. (Current							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Jackson, South Carolina		
4. PROJECT TITLE Range Upgrade	5. PROJECT NUMBER 6936	
<p><u>PROJECT:</u> (CONTINUED)</p> <p>Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide a site for integrating modern range equipment with Remoted Target Systems (RETS), to evaluate the individual soldier's ability to engage multiple targets in a time-constrained environment. This range will allow soldiers to fire on six of 14 Basic Rifle Marksmanship (BRM) Program of Instruction (POI) required for basic training. A standard automated record fire range allows for only three of the 14 periods. This RETS range will support 50 basic training companies with a FY 94 projected training load of 50,500 trainees. FY 96 training loads are not anticipated to vary significantly from the FY 94 levels. Additionally, the installation range will support 14 Advanced Individual Training (AIT) companies, including assigned/attached TO&E units which total 5,940 military personnel, and an annual training load of 7,500 Reserve Component personnel.</p> <p><u>CURRENT SITUATION:</u> Fort Jackson does not now have a Modified Record Fire Range. The existing ranges are not constructed to current Army standards. Two of the ranges were constructed in 1941 and one in 1950. Basic Rifle Marksmanship (BRM) is now conducted on these outdated and maintenance-intensive ranges, plus one Automated Record Fire Range that is heavily used six days a week. Current systems have proven only marginally effective in improving BRM training.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, failin; and outdated ranges will continue to be used, resulting in waste of vital training time and failure to properly and adequately train soldiers to acceptable proficiency levels. This installation has experienced an average of 65 down days per year due to maintenance problems on the BRM ranges over the past three years. Realistic training utilizing the latest technologies and methods will not be provided. Training schedules cannot be maintained. This lack of critical skills may directly affect battlefield survival. Efficient training practices and enhanced productivity will not be realized.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Jackson, South Carolina			
4. PROJECT TITLE Range Upgrade	5. PROJECT NUMBER 6936		
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....		<u>JAN 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		<u>100</u>	
(d) Design Complete Date.....		<u>SEP 1993</u>	
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) Y			
(b) Where Design Was Most Recently Used Savannah			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		<u>80</u>	
(b) All Other Design Costs.....		<u>48</u>	
(c) Total Design Cost.....		<u>128</u>	
(d) Contract.....		<u>96</u>	
(e) In-house.....		<u>32</u>	
(4) Construction Start.....		<u>JAN 1994</u> month & year	
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Inf Target Mech	OPA	1994	214
Junction Box	OPA	1994	93
Night Muzzles Sim	OPA	1994	8
Range Control Stat	OPA	1994	33
Targets	OPA	1994	5
Info Sys - ISC	OPA	1994	1
		TOTAL	<u>354</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	REQUEST	
Texas		Fort Bliss (TRADOC)				213
	2255	Consolidated Maintenance Facility	14,000	14,000		215
		Subtotal For Fort Bliss PART I	\$ 14,000	14,000		
		Fort Hood (FORSCOM)				219
	22738	Whole Barracks Renewal	18,000	18,000		221
	22976	Cold/Dry Storage Facility	13,400	13,400		224
	31241	Tactical Equipment Shop	5,300	5,300		228
	33947	Test and Evaluation Support Facility	5,200	5,200		231
	37014	Close Combat Tactical Trainer Facility	7,500	7,500		234
		Subtotal For Fort Hood PART I	\$ 49,400	49,400		
		Fort Sam Houston (FORSCOM)				239
	5118	Multi-Purpose Family Service Center	4,351	4,351		241
	Subtotal For Fort Sam Houston PART I	\$ 4,351	4,351			
	* TOTAL MCA FOR Texas	\$ 67,751	67,751			

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Port Bliss Texas			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.89	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1725	11706	3634	318	1743	0
B. END FY 1999		1600	10417	3876	362	1768	2
		424	362	651	630	20,532	19,462
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		125,300 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,899,121					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		14,000					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		40,500					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		37,072					
H. GRAND TOTAL.....		1,990,693					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY		PROJECT		COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
214	2255	Consolidated Maintenance Facility		14,000	06/1992	04/1993	
				TOTAL	14,000		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721	Whole Barracks Renewal		18,500				
721	Whole Barracks Renewal		22,000				
				TOTAL	40,500		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support to the US Army Air Defense Center and School; William Beaumont Army Medical Center; US Army Sergeants Major Academy, and other tenant activities and units.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
INSTALLATION AND LOCATION: Fort Bliss Texas		
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: A. AIR POLLUTION B. WATER POLLUTION C. OCCUPATIONAL SAFETY AND HEALTH		

	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bliss Texas			4. PROJECT TITLE Consolidated Maintenance Facility		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 214	7. PROJECT NUMBER 2255	8. PROJECT COST (\$000) Auth 14,000 Approp 14,000	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Vehicle Maintenance Shop GS		SF	110,744	90.34	11,482 (10,005)
Hardstand		SY	27,300	40.29	(1,100)
EMCS Connection		LS	--	--	(79)
IDS Installation		LS	--	--	(3)
Building Information Systems		LS	--	--	(295)
SUPPORTING FACILITIES					
Electric Service		LS	--	--	1,039 (100)
Water, Sewer, & Gas		LS	--	--	(56)
Paving, Walks, Curbs, & Gutters		LS	--	--	(250)
Storm Drainage		LS	--	--	(116)
Site Imp(387) Demo()		LS	--	--	(387)
Information Systems		LS	--	--	(130)
ESTIMATED CONTRACT COST					12,521
CONTINGENCY PERCENT (5.00%)					626
SUBTOTAL					13,147
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					789
TOTAL REQUEST					13,936
TOTAL REQUEST (ROUNDED)					14,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(178)
10. Description of Proposed Construction Construct a consolidated tactical equipment shop to include: traveling bridge cranes; vehicle exhaust and other industrial air exhaust systems; compressed air, and petroleum, oils and lubricants (POL) product distributing system; fuel dispensing facilities; hardstand; battery charging facility; arms rooms with intrusion detection systems (IDS) rough-in (power conduit only); oil-water separators; fire sprinklers and alarm systems, and waste oil disposal system. Provide sensors, controls and wiring for connection to a future energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; security lighting; paving, walks, curbs and gutters; fencing; parking; storm drainage; information systems; and site improvements. Heating will be provided by self-contained natural gas-fired units and air conditioning (40 tons) will be provided by self-contained unit. Access for the handicapped will be provided.					
11. REQUIREMENT: 287,551 SF ADEQUATE: 104,487 SF SUBSTANDARD: 180,177 SF					
PROJECT: Construct a consolidated tactical equipment shop. (Current Mission)					
REQUIREMENT: This project is required to replace inadequate temporary maintenance facilities and consolidate the Directorate of Installation Support Logistics Maintenance operation. The facility is needed to provide direct and					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bliss, Texas		
4. PROJECT TITLE Consolidated Maintenance Facility	5. PROJECT NUMBER 2255	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>general support maintenance for the US Army Air Defense School and units stationed at Fort Bliss. Direct and general support will be consolidated for armament, tactical vehicles, automotive, and special purpose equipment, resulting in a more efficient, economical and effective operation. This facility is currently receiving and must support 500 plus new weapons systems including: Bradley M3/2s, Avenger Fighting Vehicles, FASVs (Support Paladin), M109A6s (Paladin) and various trucks and light vehicles. With these new weapons systems, the maintenance activity will maintain over 51,700 components/items of equipment annually.</p> <p><u>CURRENT SITUATION:</u> Maintenance activities programmed to occupy this facility presently utilize 12 substandard buildings (11 temporary and one permanent). Due to space constraints, the tactical equipment repair, component repair, and tent and fabric repair shops are split up to operate out of two or more buildings several hundred feet apart. The wood frame buildings are not properly configured for modern equipment, cannot be adequately heated or cooled, are not energy efficient, and do not meet Occupational Safety and Health Administration (OSHA) requirements. The wood frame buildings and associated utilities require frequent and costly repairs. It is not economically feasible to remodel these World War II structures to accommodate modern tactical equipment and state-of-the-art maintenance methods. All 11 wooden buildings and the one permanent building will be demolished. The permanent building is only 54 SF and its location requires that it be demolished. The efficiency gained by consolidation will reduce requirements from 118,798 SF to 110,744 SF.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, maintenance of expensive and highly complex equipment will continue to be carried out in unsatisfactory and inefficient facilities, degrading maintenance support quality. Existing facilities will continue to deteriorate and expose personnel and equipment to adverse working conditions and safety hazards. The projected cost savings for repair, maintenance, and utilities alone is estimated to be \$135,000 annually. The savings for personnel consolidation and efficiency has not been quantified, but will occur.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not performed.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bliss, Texas					
4. PROJECT TITLE Consolidated Maintenance Facility				5. PROJECT NUMBER 2255	
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....					<u>JUN 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..					<u>60</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..					<u>100</u>
(d) Design Complete Date.....					<u>APR 1993</u>
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) N					
(b) Where Design Was Most Recently Used					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications.....					<u>656</u>
(b) All Other Design Costs.....					<u>338</u>
(c) Total Design Cost.....					<u>994</u>
(d) Contract.....					<u> </u>
(e) In-house.....					<u>994</u>
(4) Construction Start..... <u>JUN 1994</u> month & year					
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature		Procuring Appropriation		Fiscal Year Appropriated Or Requested	
				Cost (\$000)	
IDS Equipment		OPA		1994 5	
Brake Analyzer		OPA		1994 35	
Info Sys - ISC		OPA		1994 138	
				TOTAL	
				<u>178</u>	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood Texas			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.90	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	3603	28598	3365	0	404	0	49 106 204 36,329
B. END FY 1999	4763	39546	4116	0	223	0	38 99 204 48,989
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	216,923 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....			2,937,910				
C. AUTHORIZATION NOT YET IN INVENTORY.....			0				
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....			49,400				
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....			45,400				
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....			0				
G. REMAINING DEFICIENCY.....			80,827				
H. GRAND TOTAL.....			3,113,537				
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	22738	Whole Barracks Renewal		18,000	06/1992	09/1993	
432	22976	Cold/Dry Storage Facility		13,400	09/1991	07/1993	
214	31241	Tactical Equipment Shop		5,300	01/1991	08/1993	
610	33947	Test and Evaluation Support Facility		5,200	01/1991	12/1992	
171	37014	Close Combat Tactical Trainer Facility		7,500	04/1992	01/1993	
TOTAL				49,400			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
860	Railroad Track Loading Facility		2,400				
721	Whole Barracks Renewal		26,000				
211	Aviation Maintenance Facility		17,000				
TOTAL				45,400			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of III Corps Headquarters and organizations assigned to III Corps, including 1st CAV Division. Ensure the most efficient utilization of resources to operate Fort Hood and accomplish all assigned							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Hood Texas										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) missions. Ensure Fort Hood is prepared for mobilization.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood Texas			4. PROJECT TITLE Whole Barracks Renewal		
5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 721	7. PROJECT NUMBER 22738	8. PROJECT COST (\$000) Auth 18,000 Approp 18,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Rebuild Barracks		SF	170,200	59.00	14,544 (10,042)
Company Operations		SF	50,975	55.00	(2,804)
Arms Rooms		SF	5,000	82.00	(410)
Asbestos Removal		LS	--	--	(1,131)
IDS Installation		EA	10	1,500	(15)
Building Information Systems		LS	--	--	(142)
SUPPORTING FACILITIES					
Electric Service		LS	--	--	828 (234)
Water, Sewer, Gas		LS	--	--	(171)
Steam And/Or Chilled Water Distr		LS	--	--	(138)
Paving, Walks, Curbs And Gutters		LS	--	--	(97)
Storm Drainage		LS	--	--	(23)
Site Imp(100) Demo()		LS	--	--	(100)
Information Systems		LS	--	--	(65)
ESTIMATED CONTRACT COST					15,372
CONTINGENCY PERCENT (10.0%)					1,537
SUBTOTAL					16,909
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					1,015
TOTAL REQUEST					17,924
TOTAL REQUEST (ROUNDED)					18,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(71)
10. Description of Proposed Construction Modernize five barracks. Project includes living/sleeping room with private bath, dayroom, and storage. Remove existing walls, mechanical and electrical systems, piping and valves, water closets, and showers. The existing superstructure (columns and decks) will remain. Additional work includes replacement of roofs, doors, windows, ceiling and floor tile, paint, and asbestos removal. Exterior balconies will allow for a new exterior entrance to each room. Convert first floor of the barracks to company operations and supply. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; pavilions; storm drainage; information systems; and site improvements. Heating will be provided by gas-fired self-contained units and air conditioning (565 tons) will be provided by central energy systems. Transition maintenance for a one year period is included.					
11. REQUIREMENT: 17,576 PN ADEQUATE: 9,112 PN SUBSTANDARD: 10,154 PN PROJECT: Modernize five barracks to meet Whole Barracks Renewal Program Standard. (Current Mission)					

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Hood, Texas			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Barracks Renewal		22738	
<p>REQUIREMENT: This project is required to continue modernizing existing barracks to provide adequate housing for 504 E1-E4 and 108 E5-E6 for a total of 612 enlisted personnel (720 maximum utilization). This project will replace utilities that are at the end of their economic life and provide a greatly improved quality-of-life environment for today's enlisted soldier. Significant shortfalls exist in company operations and supply space.</p> <p>CURRENT SITUATION: There are 102 permanent barracks buildings on Fort Hood. The 37000 block consists of five barracks all of which are to be rebuilt. These barracks were constructed in FY 68 and FY 69 as troop billets and are now categorized as substandard, but may be made adequate. They include multiple person rooms and gang latrines with rapidly deteriorating mechanical, electrical and plumbing systems. The air conditioning system is inefficient and requires frequent repairs. The hot water system is unable to meet the demand at peak use times. These buildings are presently utilized at a total of 1,170 spaces. After rebuild, barracks capacity will be 144 spaces each, total 720 spaces. First floor space in barracks is currently being diverted for use as company level administrative purpose.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, outdated, inefficient utilities will continue to deteriorate. Current routine maintenance will not meet the heavy demands and major system failures will occur. Man hours expended for backlog maintenance and repair will continue to increase. Quality-of-life program goals for enlisted soldiers cannot be met without this barracks rebuild project. Also, shortfalls of company operations and supply requirements will continue to be met with diverted barracks space, resulting in inefficient administrative and storage capabilities.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....			JUN 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..			35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..			100
(d) Design Complete Date.....			OCT 1993
(2) Basis:			

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood, Texas			
4. PROJECT TITLE Whole Barracks Renewal		5. PROJECT NUMBER 22738	
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....			900
(b) All Other Design Costs.....			90
(c) Total Design Cost.....			990
(d) Contract.....			_____
(e) In-house.....			990
(4) Construction Start..... <u>JAN 1994</u> month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated Or Requested</u>	Cost <u>(\$000)</u>
IDS Equipment	OPA	1994	24
Info Sys - ISC	OPA	1994	47
		TOTAL	71

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood Texas			4. PROJECT TITLE Cold/Dry Storage Facility		
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 432	7. PROJECT NUMBER 22976	8. PROJECT COST (\$000) Auth 13,400 Approp 13,400	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Cold-Storage Warehouse		SF	109,896	86.60	10,832 (9,518)
Concrete Hardstand		SY	25,000	38.50	(963)
Drilled Piers		LF	5,500	45.00	(248)
Building Information Systems		LS	--	--	(103)
SUPPORTING FACILITIES					
Electric Service		LS	--	--	1,285 (235)
Water, Sewer, Gas		LS	--	--	(192)
Paving, Walks, Curbs And Gutters		LS	--	--	(421)
Storm Drainage		LS	--	--	(9)
Site Imp(360) Demo(49)		LS	--	--	(409)
Information Systems		LS	--	--	(19)
ESTIMATED CONTRACT COST					12,117
CONTINGENCY PERCENT (5.00%)					606
SUBTOTAL					12,723
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					763
TOTAL REQUEST					13,486
TOTAL REQUEST (ROUNDED)					13,400
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(56)
10. Description of Proposed Construction Construct two standard-design cold/dry storage warehouse facilities including temperature and humidity controlled storage, drilled piers, administration, receiving and issuing areas, and general support areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; security lighting; fire protection and alarm systems; access roads; vehicle maneuvering and parking areas; paving, walks, curbs and gutters; storm drainage; traffic signals; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (81 tons) will be provided by self-contained systems for the administration areas only. Demolish two buildings (19,143 SF) within the footprint.					
11. REQUIREMENT: 108,000 SF ADEQUATE: NONE SUBSTANDARD: 96,285 SF					
PROJECT: Construct two standard-design cold/dry storage warehouse facilities. (Current Mission)					
REQUIREMENT: This project was programmed before the Base Realignment and Closure (BRAC) 91 initiative as necessary to provide support for all units then identified at Fort Hood. It is especially needed now as a result of the 2d Armored Division (formerly the 5th Mechanized Infantry Division) being					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Cold/Dry Storage Facility	5. PROJECT NUMBER 22976	
<p><u>REQUIREMENT:</u> (CONTINUED) relocated to Fort Hood as part of BRAC. This added division will place additional demands on this installation's ability to provide adequate subsistence support using existing inadequate facilities. The Department of Defense requires installations to maintain a 30-day supply of perishable foods. The lack of adequate cold storage requires large quantities of ice for perishable meats and vegetables from May through September each year to support the additional requirements of summer training periods. The proposed facilities must also provide adequate, secure storage for a 15-day supply of non-perishable food (A-Rations, T-Rations, and Meals Ready to Eat (MRE) Rations). Fort Hood has a requirement to store 1,019 pallets of dry MRES and 5,431 pallets of dry T-Rations.</p> <p><u>CURRENT SITUATION:</u> The Troop Issue Subsistence Activity (TISA) operates from both North Fort Hood (NFH) and South Fort Hood (SFH). Operations are conducted from five general purpose warehouses and one cold storage warehouse. The cold storage on SFH is in a state of advanced deterioration. The average loss of freon from the worn out refrigeration equipment is 3,000 pounds a year. Constant repairs require dedication of maintenance personnel. Because of the repeated breakdowns, rented refrigerated vans are used to store ice for perishable foods. Unsanitary conditions from mildew and bird feces have resulted in numerous health violations. The physical condition of the building has created serious safety concerns. Floors and docks are structurally inadequate, and foundation cracking and failures have limited the use of material handling equipment. NFH has no space specifically designed for dry storage warehousing and the cold storage warehouse was condemned in August 1989. NFH cold storage requirement is supported from SFH located 20 miles away. During the summer training period, NFH must augment this support by renting refrigerated vans from which to issue food. All five of the general purpose warehouses being used for dry storage are World War II temporary, wooden structures with inherent problems such as: mildew, cracked plaster, no insulation, broken door seals, bulging walls, and settling foundations. The need for consolidating TISA operations at two locations (NFH and SFH) remains. The 2d Division and other activities in garrison are supported at the SFH TISA operation. The NFH operation supports the 2d Division's field training and other training conducted in the north area.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inadequate facilities will continue to expose warehouse personnel to significant safety hazards and military personnel to health risks from contaminated foods. Failure of the existing facility would virtually end or drastically curtail training and mission readiness for the entire installation. Continued dependence upon facilities which are improperly designed for current food handling equipment, undersized for current needs and impossible to sanitize, will perpetuate high food-handling labor costs and high exposure of employees and soldiers to illness and injury.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Cold/Dry Storage Facility	5. PROJECT NUMBER 22976	
<u>ADDITIONAL: (CONTINUED)</u> security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>SEP 1991</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>50</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>100</u>
(d) Design Complete Date.....		<u>JUL 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used Fort McCoy		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>465</u>
(b) All Other Design Costs.....		<u>185</u>
(c) Total Design Cost.....		<u>650</u>
(d) Contract.....		<u>185</u>
(e) In-house.....		<u>465</u>
(4) Construction Start.....		
		<u>JAN 1994</u> month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood, Texas			
4. PROJECT TITLE Cold/Dry Storage Facility	5. PROJECT NUMBER 22976		
12. SUPPLEMENTAL DATA: (CONTINUED)			
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS Equipment	OPA	1994	41
Info Sys - ISC	OPA	1994	15
TOTAL			56

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Hood Texas				4. PROJECT TITLE Tactical Equipment Shop				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 214		7. PROJECT NUMBER 31241		8. PROJECT COST (\$000) Auth 5,300 Approp 5,300		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								3,806
Vehicle Maintenance Facility					SF	15,550	89.71	(1,395)
Warehouse					SF	26,075	50.91	(1,327)
Sentry Station					SF	32	374.40	(12)
POL Storage Building					SF	355	84.83	(30)
Hardstand					SY	28,000	36.00	(1,008)
Building Information Systems					LS	--	--	(34)
SUPPORTING FACILITIES								993
Electric Service					LS	--	--	(159)
Water, Sewer, Gas					LS	--	--	(331)
Paving, Walks, Curbs And Gutters					LS	--	--	(219)
Storm Drainage					LS	--	--	(22)
Site Imp(193) Demo()					LS	--	--	(193)
Information Systems					LS	--	--	(69)
ESTIMATED CONTRACT COST								4,799
CONTINGENCY PERCENT (5.00%)								240
SUBTOTAL								5,039
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								302
TOTAL REQUEST								5,341
TOTAL REQUEST (ROUNDED)								5,300
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(11)
10. Description of Proposed Construction								
Construct a standard-design tactical equipment shop with scheduled maintenance facilities, a warehouse and storage facility, sentry station, roadway extension, and vehicle hardstand. Supporting facilities include utilities, electric service, security lighting and fencing, parking, curbs and gutters, access roads and extensions, fire protection and alarm systems, storm drainage, information systems, and site improvements. Access for the handicapped will be provided. Heating will be provided by gas-fired self-contained systems. Air conditioning (20 tons) will be provided for the office space and electronic repair areas.								
11. REQUIREMENT: 1,963,984 SF ADEQUATE: 1,011,511 SF SUBSTANDARD: 445,101 SF								
PROJECT: Construct a standard-design tactical equipment shop and warehouse. (Current Mission)								
REQUIREMENT: This project will provide permanent facilities for Test and Experimentation Command (TEXCOM) organization located at West Fort Hood, Texas. This project is required to provide TEXCOM with one tactical equipment maintenance facility and warehouse and storage facility. These facilities will supplement existing TEXCOM assets to include a research and development and headquarters building, administrative facilities and a warehouse and motor								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993						
3. INSTALLATION AND LOCATION Fort Hood, Texas								
4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 31241							
<p><u>REQUIREMENT: (CONTINUED)</u> pool area. This project will support a portion of the military and civilian personnel assigned to TEXCOM. The tactical equipment shop will be used for the maintenance and storage of over 133 essential tactical vehicles and equipment. The warehouse facility will replace the use of ten earth-covered ammunition bunkers as storage and supply for TEXCOM. These ammunition storage facilities will be re-allocated for use by the Corps Support Command (COSCOM) ammunition supply point function.</p> <p><u>CURRENT SITUATION:</u> There are no tactical equipment shops available to support this organization's requirement. West Fort Hood is located approximately five miles from the main cantonment area. Existing tactical equipment shops at West Fort Hood are substandard and occupied above maximum capacity by TEXCOM and the 504th Military Intelligence (MI) Brigade. The one permanent maintenance facility supports the 504th MI Brigade's Aerial Exploitation Battalion (15th MI Battalion) ground support vehicles. Fort Hood currently has 51 percent of required base-wide tactical equipment shops and only 12 percent of required permanent warehouse facilities. Shortfalls in both categories are overcome by the continued use of World War II wood facilities and double occupancy of existing adequate facilities. No other Fort Hood facilities are available which can support this organization's test and experimentation requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inefficient performance of maintenance and extended repair periods of test vehicles and equipment will continue. Test vehicles and equipment associated with the reconsolidation of the Test Directorate (Worldwide) to Fort Hood will lack adequate maintenance facilities. Lack of shops will have an adverse impact on the operational testing at TEXCOM.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>								
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td>JAN 1991</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td>50</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td>100</td> </tr> </table>			(a) Design Start Date.....	JAN 1991	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	50	(c) Percent Complete As Of 01 October 93 (PROG YR)..	100
(a) Design Start Date.....	JAN 1991							
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	50							
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Tactical Equipment Shop		5. PROJECT NUMBER 31241
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(d) Design Complete Date.....		<u>AUG 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>236</u>
(b) All Other Design Costs.....		<u>106</u>
(c) Total Design Cost.....		<u>342</u>
(d) Contract.....		_____
(e) In-house.....		<u>342</u>
(4) Construction Start.....		<u>JAN 1994</u> month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested
Info Sys - ISC	OPA	1994
		11
		TOTAL
		11

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood Texas			4. PROJECT TITLE Test and Evaluation Support Facility			
5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 610	7. PROJECT NUMBER 33947	8. PROJECT COST (\$000) Auth 5,200 Approp 5,200			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>						
Test Support Facility		SF	26,900	86.12	4,027 (2,317)	
Warehouse		SF	24,000	54.46	(1,307)	
Hardstand		SY	10,000	35.00	(350)	
Building Information Systems		LS	--	--	(53)	
<u>SUPPORTING FACILITIES</u>						
Electric Service		LS	--	--	660 (37)	
Water, Sewer, Gas		LS	--	--	(40)	
Paving, Walks, Curbs And Gutters		LS	--	--	(355)	
Storm Drainage		LS	--	--	(31)	
Site Imp(140) Demo()		LS	--	--	(140)	
Information Systems		LS	--	--	(57)	
ESTIMATED CONTRACT COST					4,687	
CONTINGENCY PERCENT (5.00%)					234	
SUBTOTAL					4,921	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					295	
TOTAL REQUEST					5,216	
TOTAL REQUEST (ROUNDED)					5,200	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(122)	
10. Description of Proposed Construction Construct a test support facility. Project includes administrative, instrumentation, and engineering areas; hardstand; conference rooms; break rooms; storage; and a separate structure for a warehouse. Supporting facilities include utilities; electric service; parking; security fencing and lighting; paving, walks, curbs and gutters; storm drainage; access roads; fire protection and alarm systems; information systems; and site improvements. Access for the handicapped will be provided. Heating will be provided by self-contained gas-fired systems. Air conditioning (85 tons) will be provided by a self-contained system.						
11. REQUIREMENT: 173,450 SF ADEQUATE: 146,550 SF SUBSTANDARD: 7,960 SF						
PROJECT: Construct a test support facility. (Current Mission)						
REQUIREMENT: This project is required to provide permanent facilities that will be used by the Test and Experimentation Command (TEXCOM) for administrative purposes only. These facilities will supplement existing TEXCOM assets of a modern research and development and headquarters building, administrative facilities, and semi-permanent warehouse/motor pool area. This project will support the 402 military and civilian personnel assigned to TEXCOM. The new facilities will be used to perform tests and evaluations of						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993										
3. INSTALLATION AND LOCATION Fort Hood, Texas												
4. PROJECT TITLE Test and Evaluation Support Facility	5. PROJECT NUMBER 33947											
<p><u>REQUIREMENT:</u> (CONTINUED) new equipment and materials for the armed forces. The new warehouse facility will be used to house highly technical test equipment currently stored in inadequate earth-covered ammunition bunkers. This project has been reviewed in light of the Department of Defense (DOD) proposal to inactivate certain units and is still required at the stated scope.</p> <p><u>CURRENT SITUATION:</u> Fort Hood has an overall shortage of administrative space due to the requirements of the relocation of the 2d Armored Division (formerly the 5th Infantry Division). Specific to this project, administrative facilities at West Fort Hood are inadequate to support TEXCOM's mission to test and evaluate new equipment and materials. West Fort Hood is approximately five miles from the main cantonment area. Existing facilities are occupied above maximum capacity and temporary, substandard facilities augment TEXCOM's shortfalls.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, highly technical electronic test equipment associated with the reconsolidation of the Test Directorate (Worldwide) to Fort Hood (2,000 items) valued over \$50 million will be improperly stored, resulting in security and temperature problems. Performance will impact on the operational readiness of this command.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>												
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table data-bbox="248 1102 947 1199"> <tr> <td>(a) Design Start Date.....</td> <td><u>JAN 1991</u></td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td><u>100</u></td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td><u>100</u></td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td><u>DEC 1992</u></td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table data-bbox="248 1331 947 1375"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>231</td> </tr> </table>			(a) Design Start Date.....	<u>JAN 1991</u>	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>100</u>	(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>	(d) Design Complete Date.....	<u>DEC 1992</u>	(a) Production of Plans and Specifications.....	231
(a) Design Start Date.....	<u>JAN 1991</u>											
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>100</u>											
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>											
(d) Design Complete Date.....	<u>DEC 1992</u>											
(a) Production of Plans and Specifications.....	231											

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood, Texas					
4. PROJECT TITLE Test and Evaluation Support Facility				5. PROJECT NUMBER 33947	
12. SUPPLEMENTAL DATA: (Continued)					
A. Estimated Design Data: (Continued)					
(b) All Other Design Costs.....					104
(c) Total Design Cost.....					335
(d) Contract.....					
(e) In-house.....					335
(4) Construction Start.....					JAN 1994 month & year
B. Equipment associated with this project which will be provided from other appropriations:					
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>		
Info Sys - ISC	OPA	1994	122		
		TOTAL	122		

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Hood Texas				Close Combat Tactical Trainer Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		171		37014		Auth 7,500 Approp 7,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							4,783
Regional A/L Battle Emulation				SF	43,800	95.25	(4,172)
Hardstand				SY	9,600	25.82	(248)
Tank Trail				SY	6,000	44.98	(270)
Emergency Generator				EA	1	26,000	(26)
EMCS Connection				LS	--	--	(5)
Building Information Systems				LS	--	--	(62)
SUPPORTING FACILITIES							1,941
Electric Service				LS	--	--	(510)
Water, Sewer, Gas				LS	--	--	(685)
Paving, Walks, Curbs And Gutters				LS	--	--	(221)
Storm Drainage				LS	--	--	(196)
Site Imp(298) Demo()				LS	--	--	(298)
Information Systems				LS	--	--	(31)
ESTIMATED CONTRACT COST							6,724
CONTINGENCY PERCENT (5.00%)							336
SUBTOTAL							7,060
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							424
TOTAL REQUEST							7,484
TOTAL REQUEST (ROUNDED)							7,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(15,004)
10. Description of Proposed Construction Construct a Regional Air/Land Battle Emulation Complex (RALBEC) to accommodate a Close Combat Tactical Trainer (CCTT) with 38 fixed tactical vehicle modules. Infrastructure development in this project will support future requirement of a subsequent tactical trainer fielding phase. This development includes utilities, road network, paving of adjacent tank trails and marshalling areas, gross site preparation, and drainage for the entire complex. The follow-on fielding of an additional company set of trainers will generate comparable utility loads and facility requirements as those in this initial phase. This project includes classrooms, briefing/debriefing area, current "state-of-the-art" audiovisual training rooms; administrative office space; storage areas for general, secure, and sensitive materials; spare parts, tool storage, repair and maintenance shop area; emergency generator; energy monitoring and control system (EMCS) tie in; computer floor; hardstand; and loading docks. Supporting facilities include utilities; electric service; security lighting, fencing and gates; paving, walks, curbs and gutters; parking; access road; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (175 tons) will be provided by self-contained systems.							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Hood, Texas			
4. PROJECT TITLE		5. PROJECT NUMBER	
Close Combat Tactical Trainer Facility		37014	
11. REQUIREMENT: 43,800 SF ADEQUATE: NONE SUBSTANDARD: NONE			
PROJECT: Construct a Regional Air/Land Battle Emulation Complex. (New Mission)			
REQUIREMENT: This project is required to provide the initial facility of a two-facility complex to support the combined arms tactical training system. This facility will contain the primary training facility and equipment to provide a system to train and sustain individual and collective (crew through company task force) tasks and skills in command and control, communications, and maneuver, and to integrate the function of combat support and combat service support units. This is accomplished by using a group of fully interactive networked emulators and command, control and communications work stations, replicating the vehicles and weapons systems of a mechanized infantry or armor battalion task force and its supporting combat, combat support, and combat service support elements, operating on an emulated real-time battlefield. The development and acquisition of the CCTT is in the final stages. A facility must be provided in a timely manner to allow installation and testing of the first CCTT with initial operational capability scheduled in October 1996. The follow-on facility will expand the CCTT training capabilities to support a second company trainer system set. This subsequent phase (Project Number 40624) has yet to be programmed. The site selected for this complex is sufficient to accommodate the trainers currently being developed and the addition of future trainers and emulators.			
CURRENT SITUATION: This is a new Army/Department of Defense initiative; therefore, no facilities or equipment exist at Fort Hood that can provide or house this training system. Training of the individual to properly respond within the combined arms team is the keystone that will be emphasized and developed with this family of systems. Adequate existing facilities to support this mission are not available for this developing family of systems. Currently, tactical combined arms training is achieved by using tactical vehicles and soldiers in field training exercises. This method of training is expensive and equipment intensive, which reduces the operational life of the tactical equipment. Use of the combined arms tactical trainers provides an alternative to the use of tactical field exercises as the sole means to achieve totally trained forces.			
IMPACT IF NOT PROVIDED: If this project is not provided, use of field exercise training events to train the soldier will continue. The present system of training is costly and relies on a diminishing base for funds and resources required for its support. As competition for funds intensifies, lower cost alternatives to augment and enhance field training must be developed. Continued use of "field" exercises places a high degree of wear on combat equipment for which funding is becoming more difficult to obtain. The use of a close combat tactical trainer system provides a highly effective training method at a lower cost, giving the Army tactical superiority in the battlefield environment. The emergency generator is required to operate the			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Close Combat Tactical Trainer Facility	5. PROJECT NUMBER 37014	
<p><u>IMPACT IF NOT PROVIDED:</u> (CONTINUED)</p> <p>lift station in order to keep raw sewage from backing up into a local creek in event of power failure, causing environmental pollution and possible \$25,000/day fines.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	JUL 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	40	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d) Design Complete Date.....	AUG 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	383	
(b) All Other Design Costs.....	67	
(c) Total Design Cost.....	450	
(d) Contract.....	400	
(e) In-house.....	50	
(4) Construction Start..... JAN 1994		
month & year		

1. COMPONENT ARMY	FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Close Combat Tactical Trainer Facility	5. PROJECT NUMBER 37014	
12. SUPPLEMENTAL DATA: (CONTINUED)		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> <u>Cost (\$000)</u>
TRAINING DEVISE Info Sys - ISC	NTSC OPA	1994 15,000 1994 4
		TOTAL 15,004

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Port Sam Houston Texas			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.88	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER ENLIST CIVIL		OFFICER ENLIST CIVIL		TOTAL	
A. AS OF 30 SEP 1992	1642	2954	4258	1071	5515	44	133 138 2660 18,415
B. END FY 1999	1473	2558	4339	997	3503	36	133 166 3164 16,369
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	3,159 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....				931,527			
C. AUTHORIZATION NOT YET IN INVENTORY.....				0			
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....				4,351			
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....				0			
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....				60,450			
G. REMAINING DEFICIENCY.....				14,480			
H. GRAND TOTAL.....				1,010,808			
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS	
CODE	NUMBER			(\$000)	START	COMPLETE	
730	5118	Multi-Purpose Family Service Center		4,351	07/1992	09/1993	
				TOTAL	4,351		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A.	INCLUDED IN THE FY 1995 PROGRAM:		NONE				
B.	PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		NONE				
10. MISSION OR MAJOR FUNCTIONS:							
Command and control Fort Sam Houston, its sub-installations and assigned or attached FORSCOM units or activities; provide support to activities within its geographical support area. Major activities on Fort Sam Houston include: HQ, Fifth U.S. Army; HQ, Health Services Command; AMEDD Center and School; Brooke Army Medical Center; and HQ 5th Recruiting Brigade. Camp Bullis sub-installation, in addition to its function as a reserve component training site, serves as a range and maneuver training area for active component AMEDD Center and School, Fort Sam Houston; 3287th Technical Squadron, Lackland AFB; and numerous units from Fort Hood.							

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
ARMY						APRIL 1993		
3. INSTALLATION AND LOCATION				4. PROJECT TITLE				
Fort Sam Houston Texas				Multi-Purpose Family Service Center				
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)		
22696A		730		5118		Auth 4,351 Approp 4,351		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								3,388
Army Chapel					SF	19,940	111.25	(2,218)
Child Development Center					SF	8,190	100.17	(820)
Unusual Foundation					LS	--	--	(190)
Playground w/Equip, Shed & Fence					LS	--	--	(117)
Building Information Systems					LS	--	--	(43)
<u>SUPPORTING FACILITIES</u>								522
Electric Service					LS	--	--	(83)
Water, Sewer, Gas					LS	--	--	(67)
Paving, Walks, Curbs And Gutters					LS	--	--	(181)
Storm Drainage					LS	--	--	(25)
Site Imp(56) Demo()					LS	--	--	(56)
Information Systems					LS	--	--	(110)
ESTIMATED CONTRACT COST								3,910
CONTINGENCY PERCENT (5.00%)								195
SUBTOTAL								4,105
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								246
TOTAL REQUEST								4,351
TOTAL REQUEST (ROUNDED)								4,351
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(12)
10. Description of Proposed Construction								
Construct a standard-design Army chapel with integral activity center for family counseling and a standard-design child development center (CDC), with raft/mat foundation. Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarm systems; paving, walks, curbs and gutters; parking; access roads; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (130 tons) will be provided by self-contained systems.								
11. REQUIREMENT: 63,104 SF ADEQUATE: 34,974 SF SUBSTANDARD: 25,226 SF								
PROJECT: Construct a standard-design Army chapel with activity center and a standard-design child development center (99-child capacity). (Current Mission)								
REQUIREMENT: This project is required to meet the pressing needs of the northeast portion of Fort Sam Houston which is near the Watkins Terrace junior enlisted housing and the Fort Sam Houston National Cemetery. This will be a joint use facility for the Directorate of Personnel and Community Activities (DPCA) and the Post Chapel. The chapel and activity center are required to provide services such as family and individual counseling, parent skills								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Sam Houston, Texas		
4. PROJECT TITLE Multi-Purpose Family Service Center	5. PROJECT NUMBER 5118	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>workshop, stress management workshops for families and group workshops for families with medical crisis. This chapel will serve the junior enlisted personnel in the Watkins Terrace housing area and the military families in the civilian apartments. The need for family counseling near this housing area is critical during family crises, a very common occurrence within the junior enlisted families. There are no alternate facilities on or off the installation which could be used to satisfy this requirement.</p> <p><u>CURRENT SITUATION:</u> Watkins Terrace is a junior enlisted housing area located approximately five miles from the central post area and as a result is considered a separate part of Fort Sam Houston (FSH) installation. This area has approximately 1,125 residents with 225 children of child-care age. It also has the highest rate of family disturbances on post. This is an indicator of the urgent need for a family life program at this location. The chapel supporting this area was demolished in 1977 due to structural failure. Other chapels are five miles away and housed in temporary wooden buildings of the World War II era. They do not provide the comfort nor the atmosphere appropriate for their use as chapels. They are not insulated, the utilities are all antiquated, and they do not meet fire and safety codes for an assembly building. In 1998, FSH is projected to have 1,100 children of child-care age. This number is in accordance with the Army Stationing and Installation Plan (ASIP). Currently there are 303 child-care spaces available at FSH. Many families must use higher cost off-post child care facilities due to the lack of spaces on-post. The waiting list for on-post child care was 265 as of September 1992. Even with programmed strength reductions, the list is expected to remain above 200.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, chapel services and religious instruction will remain inaccessible to many junior enlisted families in Watkins Terrace, and morale and welfare will continue to deteriorate without the stabilizing presence of a chaplain. The religious education program will be cut by 40 percent because present religious education facilities are committed for disposal against the new child care and religious education center. Child care for the installation will suffer if the project is not completed; soldiers will have to find more costly child care in the civilian community, if available. It is projected that 200 children will still be on the waiting list for child care in 1993.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet</p>		

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Sam Houston, Texas			
4. PROJECT TITLE		5. PROJECT NUMBER	
Multi-Purpose Family Service Center		5118	
ADDITIONAL: (CONTINUED) operational requirements. Consequently, a full economic analysis was not performed.			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	JUL 1992	
(b)	Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d)	Design Complete Date.....	SEP 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) Y		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	250	
(b)	All Other Design Costs.....	185	
(c)	Total Design Cost.....	435	
(d)	Contract.....	72	
(e)	In-house.....	363	
(4)	Construction Start.....	JUN 1994	
		month & year	
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Info Sys - ISC	OPA	1994	9
Info Sys - PROP	OPA	1994	3
		TOTAL	12

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Utah		Dugway Proving Ground (AMC)			247
	16299	Life Sciences Test Facility	16,500	16,500	249
		Subtotal For Dugway Proving Ground PART I	\$ 16,500	16,500	
		Tooele Army Depot (AMC)			253
	40537	Treaty Verification Facility	1,500	1,500	255
		Subtotal For Tooele Army Depot PART I	\$ 1,500	1,500	
	* TOTAL MCA FOR Utah	\$ 18,000	18,000		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Dugway Proving Ground Utah			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.00	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		43	109	800	0	0	0
B. END FY 1999		35	91	745	0	0	0
					1	1	568
					1	0	673
							1,522
							1,545
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		802,724 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		409,191					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		16,500					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		15,650					
H. GRAND TOTAL.....		441,341					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
319	16299	Life Sciences Test Facility		16,500	11/1990	02/1994	
				TOTAL	16,500		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
a. Test and Evaluation: 1. Plan, conduct, evaluate and report the results of developmental type tests, following integrated testing cycle policies, to assess the military value of chemical warfare and biological defense systems (CW/BO), and flame incendiary and smoke obscurant systems. 2. Provide advice, guidance and support to material developers, material producers, other armed forces components, and to private industry. 3. Conduct additional testing and evaluation as directed by the Commanding General, TECOM.							

1. COMPONENT		2. DATE		
ARMY		APRIL 1993		
FY 1994		MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
Dugway Proving Ground Utah		Life Sciences Test Facility		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
65601A	319	16299	Auth 16,500 Approp 16,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>				14,111
Life Sciences Laboratory	SF	32,000	351.69	(11,254)
Aerosol Chamber	LS	--	--	(2,025)
Emergency Generator	KW	400	422.50	(169)
IDS Installation	LS	--	--	(76)
Sewage Lagoon	KG	8	37,500	(300)
Building Information Systems	LS	--	--	(287)
<u>SUPPORTING FACILITIES</u>				605
Electric Service	LS	--	--	(67)
Water, Sewer, Gas	LS	--	--	(75)
Paving, Walks, Curbs, And Gutter	LS	--	--	(66)
Site Imp(92) Democ(40)	LS	--	--	(132)
Information Systems	LS	--	--	(214)
UG Fuel Storage/Pump & Piping	LS	--	--	(51)
ESTIMATED CONTRACT COST				14,716
CONTINGENCY PERCENT (5.00%)				736
SUBTOTAL				15,452
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				927
TOTAL REQUEST				16,379
TOTAL REQUEST (ROUNDED)				16,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(237)
10. Description of Proposed Construction Construct a central test facility with areas for administrative and general laboratory support, and biological defense testing under strict containment. Special requirements include an aerosol chamber, incinerator, breathable air system, emergency generator, special ventilation to maintain directional airflow into containment suites, and a treatment system for contaminated liquid waste. Asbestos removal is required. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; underground (UG) fuel storage; security fencing and gates; sewage pump station; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided for administrative areas only. Process steam will be provided by a self-contained oil-fired boiler. Heating and air conditioning will be provided by ground coupled heat pump. Non-laboratory area will be cooled by evaporative cooling. Demolish three buildings (2,260 SF) (within the footprint) with asbestos removal.				
11. REQUIREMENT: 32,000 SF ADEQUATE: NONE SUBSTANDARD: 60,332 SF				
PROJECT: Construct a Life Sciences Test (LST) facility. (Current Mission)				

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Dugway Proving Ground, Utah		
4. PROJECT TITLE Life Sciences Test Facility	5. PROJECT NUMBER 16299	
<p>REQUIREMENT: The Life Sciences Test Facility (LSTF) will be the Department of Defense (DOD) test center for the evaluation of biological defense material including biodetection, protection, and decontamination systems. This project is required to provide a facility complying with regulatory, statutory and environmental constraints and approved practices. Biological defense material will be evaluated in a contained laboratory setting using simulants and potential biological warfare agents. Safe testing of materials requiring Bio-safety Level 3 containment is necessary. The extent of allowable testing is based on the bio-safety levels (four) as defined by the Centers for Disease Control/National Institutes of Health. The new facility will house and support the aerosol chamber.</p> <p>CURRENT SITUATION: Existing laboratory testing and support facilities for biological defense and life sciences testing functions are located in a complex of 24 buildings constructed in the early 1950s. Dugway Proving Ground is the only Department of Defense materiel test site for all biological and chemical detection, decontamination and protective equipment, as well as smoke and obscurants. Facilities minimally meet current standards, but are significantly deteriorated from years of underfunding. These facilities are not economically repairable, and require constant high cost maintenance. Current activities require Bio-safety Level 3 testing. Facilities are not energy efficient and consume 13 percent of the total energy used at Dugway Proving Ground. No other DOD activity exists that has the facilities and/or capabilities to perform Dugway's mission in biological defense testing.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, continued facilities deterioration could force reversion to a bio-safety Level 2 test program, severely limiting laboratory practices. Interim upgrades have been made to the existing facilities which allow some Level 3 testing. However, these upgrades experience frequent breakdowns, compromising the ability to maintain a Level 3 program. If the Level 3 program cannot be maintained, testing of defensive materials against threat materials of a biological origin would have to be severely curtailed. This would raise questions as to the validity of the National Biological Safety Program and the defensive protection provided United States service members.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Dugway Proving Ground, Utah			
4. PROJECT TITLE		5. PROJECT NUMBER	
Life Sciences Test Facility		16299	
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....			NOV 1990
(b) Percent Complete As Of 01 January 93 (BDGT YR)..			35
(c) Percent Complete As Of 01 October 93 (PROG YR)..			85
(d) Design Complete Date.....			FEB 1994
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....			960
(b) All Other Design Costs.....			640
(c) Total Design Cost.....			1,600
(d) Contract.....			1,050
(e) In-house.....			550
(4) Construction Start..... APR 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment	Procuring	Fiscal Year	Cost
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>Cost</u>
		<u>Or Requested</u>	<u>(\$000)</u>
IDS Equipment	RDT&E	1995	30
Lab Furniture	RDT&E	1995	147
Info Sys - ISC	OPA	1994	8
Info Sys - PROP	RDT&E	1994	53
		TOTAL	238

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Tooele Army Depot Utah			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.02	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	13	25	3254	0	0	0	2 12 92 3,398
B. END FY 1999	12	18	2940	0	0	0	2 15 92 3,079
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	24,735 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	869,470						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	1,500						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	161,000						
H. GRAND TOTAL.....	1,031,970						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST	DESIGN STATUS		
CODE	NUMBER			(\$000)	START	COMPLETE	
216	40537	Treaty Compliance Facility		1,500	06/1992	12/1992	
TOTAL				1,500			
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The principal mission of Tooele Army Depot is to operate a supply and maintenance depot providing for the receipt, storage, issue, maintenance, and disposal of assigned commodities. Commodities include automotive, construction, rail and general equipment, missile systems, commodity groups, conventional and chemical munitions, and general supplies. Design, manufacture and testing of ammunition peculiar equipment also performed. Installation support to attached organizations and Depot Activities provided. Demilitarization of chemical agents carried out in a prototype plant.</p>							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Tooele Army Depot Utah				4. PROJECT TITLE Treaty Verification Facility				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 216	7. PROJECT NUMBER 40537		8. PROJECT COST (\$000) Auth 1,500 Approp 1,500			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								1,217
Office/Storage Space					SF	1,680	291.00	(489)
Laboratory					SF	840	867.00	(728)
<u>SUPPORTING FACILITIES</u>								151
Electric Service					LS	--	--	(38)
Water, Sewer, Gas					LS	--	--	(45)
Paving, Walks, Curbs And Gutters					LS	--	--	(23)
Storm Drainage					LS	--	--	(8)
Site Imp(15) Demo()					LS	--	--	(15)
Information Systems					LS	--	--	(22)
ESTIMATED CONTRACT COST								1,368
CONTINGENCY PERCENT (5.00%)								68
SUBTOTAL								1,436
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								86
TOTAL REQUEST								1,522
TOTAL REQUEST (ROUNDED)								1,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(4,618)
10. Description of Proposed Construction Expand United States (US) Chemical Stockpile Disposal Program (CSDP) facilities to meet US obligations under the Draft Bilateral Protocol (26 March 1991) implementing the Agreement Between the United States of America and the Union of Soviet Socialist Republics on Destruction and Non-Production of Chemical Weapons and on Measures to Facilitate the Multilateral Convention Banning Chemical Weapons which was signed by President Bush and then President Gorbachev on 1 June 1990. Work includes constructing office/storage and laboratory space for use by non-US inspectors and their associated US escorts. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements. Heating and air conditioning size will be provided.								
11. REQUIREMENT: 2,520 SF ADEQUATE: NONE SUBSTANDARD: NONE								
PROJECT: Construct office and laboratory space which will be used by non-US chemical weapons destruction inspectors and their associated US On-Site Inspection Agency Escorts. (New Mission)								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Tooele Army Depot, Utah		
4. PROJECT TITLE Treaty Verification Facility	5. PROJECT NUMBER 40537	
<p>REQUIREMENT: This project is required to satisfy compliance requirements contained in the Draft Bilateral Protocol (26 March 1991). Specifically paragraph I.D.3(a)(ii) of the Draft Protocol requires the Inspected Party to provide work, office and storage space for the inspectors. According to the Arms Control and Disarmament Agency and the Assistant Secretary of Defense, Multilateral Negotiations, the inspector laboratory area is considered a special form of work space which must be provided by the Inspected Party. Inspector office space is provided diplomatic immunity and must therefore be separate from the escort office space. A maximum of 30 non-US inspectors and approximately 15 US escorts from the On-Site Inspection Agency, over a 24-hour period, will be involved with verifying the destruction of chemical weapons at US CSDP facilities. Destruction verification is expected to begin no earlier than March 1995 at the Johnston Atoll Chemical Agent Munition Disposal Systems (JACADS) and the Tooele Chemical Agent Disposal Facility (TOCDF). Inspection at the remaining US CSDP facilities will begin approximately three months before the start of toxic (chemical weapon destruction) operations.</p> <p>CURRENT SITUATION: There are currently no provisions for inspector/escort office or laboratory space at US CSDP facilities. There is insufficient space at the disposal facility laboratory to accommodate inspector or US analysis of chemical agent samples or other treaty authorized analytical or monitoring procedures.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the US will not be able to meet its obligations under the draft Bilateral and Multilateral chemical weapons Disarmament Agreements.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>JUN 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>100</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>100</u>
(d) Design Complete Date.....		<u>DEC 1992</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Tooele Army Depot, Utah					
4. PROJECT TITLE Treaty Verification Facility				5. PROJECT NUMBER 40537	
12. SUPPLEMENTAL DATA: (Continued)					
A. Estimated Design Data: (Continued)					
(b) Where Design Was Most Recently Used Johnston Island					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications.....					72
(b) All Other Design Costs.....					2
(c) Total Design Cost.....					74
(d) Contract.....					74
(e) In-house.....					
(4) Construction Start..... <u>OCT 1993</u> month & year					
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
Analytical Equipment	OPA	1994	955		
Analytical Equipment	OPA	1996	1,022		
Analytical Equipment	OPA	1997	2,641		
TOTAL			4,618		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Virginia		Fort Belvoir (MDW)			261
	9161	Operations Facility	860	860	263
		Subtotal For Fort Belvoir PART I	\$ 860	860	
		Fort Lee (TRADOC)			267
	2571	Whole Barracks Renewal	20,000	20,000	269
	2580	Applied Instruction Facility	12,600	12,600	272
		Subtotal For Fort Lee PART I	\$ 32,600	32,600	
		Fort Myer (MDW)			275
	33965	Whole Barracks Renewal	6,800	6,800	277
		Subtotal For Fort Myer PART I	\$ 6,800	6,800	
		* TOTAL MCA FOR Virginia	\$ 40,260	40,260	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Belvoir Virginia			4. COMMAND US Army Military District of Washington			5. AREA CONSTRUCTION COST INDEX 1.05	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		726	1932	5655	460	1237	332
B. END FY 1999		727	1711	5114	338	1082	489
		457	470	5995	16,383		
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		8,656 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,591,639					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		860					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		122,568					
H. GRAND TOTAL.....		1,715,067					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST (\$000)		DESIGN STATUS	
CODE	NUMBER			START	COMPLETE		
141	9161	Operations Facility		860	04/1992	06/1993	
				TOTAL	860		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST (\$000)			
CODE				START	COMPLETE		
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Fort Belvoir is undergoing a transition from a "training" post to a "command and control" post. Formerly the home of the Engineer School, Fort Belvoir in the future will support a number of units, organizations, and activities moving from other locations within the National Capitol Region.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				0			
B. WATER POLLUTION				0			
C. OCCUPATIONAL SAFETY AND HEALTH				0			

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Belvoir Virginia				4. PROJECT TITLE Operations Facility			
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 9161		8. PROJECT COST (\$000) Auth 860 Approp 860		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							675
Field Operations Building				SF	6,185	108.87	(673)
IDS Installation				LS	--	--	(1)
Building Information Systems				LS	--	--	(1)
<u>SUPPORTING FACILITIES</u>							94
Electric Service				LS	--	--	(13)
Water, Sewer, & Gas				LS	--	--	(10)
Paving, Walks, Curbs & Gutters				LS	--	--	(30)
Storm Drainage				LS	--	--	(5)
Site Imp(30) Demo()				LS	--	--	(30)
Information Systems				LS	--	--	(6)
ESTIMATED CONTRACT COST							769
CONTINGENCY PERCENT (5.00%)							38
SUBTOTAL							807
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							48
TOTAL REQUEST							855
TOTAL REQUEST (ROUNDED)							860
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(19)
10. Description of Proposed Construction							
Construct a standard-design, specialized Criminal Investigations Division Command (CIDC) field operations building. Project includes operational space; specialized mission support areas to include a polygraph suite with acoustic isolation and environmental controls, evidence repository with security requirements for storage of drug and perishable evidence, suspect isolation areas, duty agents' screening room, observation and interview areas with acoustic separation, photo identification and fingerprint room, issue supply area, storage, and supply and property maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (oil-fired) and air conditioning (20 tons) will be provided by self-contained systems.							
11. REQUIREMENT: 6,185 SF ADEQUATE: NONE SUBSTANDARD: 7,722 SF							
PROJECT: Construct a standard-design specialized field operations building. (Current Mission)							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Belvoir, Virginia			
4. PROJECT TITLE		5. PROJECT NUMBER	
Operations Facility		9161	
<p>REQUIREMENT: This project is required to provide adequate operating facilities for the 11 personnel working in a Resident Agency, a criminal investigative field office of the US Army Criminal Investigations Division Command (USACIDC). This organization requires a facility with special purpose space to perform its mission. Examples are a polygraph room and an evidence depository. No facilities on or off the installation can properly satisfy the requirement, and the currently used buildings need to be scheduled for demolition.</p> <p>CURRENT SITUATION: The USACIDC activity at Fort Belvoir is a separate tenant activity that has occupied the same two temporary wooden structures since 1977 or earlier. These two structures were built in 1941 and 1942 as a troop barracks and a dining facility. Neither building has undergone major renovations since 1977 with the exception of the addition of air conditioners in 1986. These facilities do not meet current standards for a USACIDC Field Office. The lack of sufficient space, inadequate environmental factors (heat, light, and air conditioning), and insufficient buffered areas for CIDC operations has an increasingly detrimental impact on the criminal investigation mission to the point where the organization can no longer operate efficiently. Neither building is considered economical to heat, cool, nor maintain and will be demolished as soon as vacated.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the structure will remain functionally unchanged. Proper separation of victims, witnesses and suspects will continue to consume an inordinate amount of time. Suspects will be likely to see potential witnesses (informants), thus increasing the possibility that vital information will be withheld because confidentiality cannot be assured. Operational efficiency will continue to suffer because major activities are located where space permits rather than where functional responsibilities direct. An excessive amount of time will be necessary to eliminate environmental factors on polygraph results. The polygraph area must be soundproof and draft free to ensure that subjects are not responding to noises and that body changes are not caused by drafts. Additional time and effort are necessary to verify results. The present crowded conditions will continue to lower morale, productivity, and efficiency, which hampers mission accomplishment. Poor facilities diminish from the investigators' ability to apprehend criminals.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Belvoir, Virginia			
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 9161		
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....		<u>APR 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>40</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>100</u>	
(d) Design Complete Date.....		<u>JUN 1993</u>	
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		<u>49</u>	
(b) All Other Design Costs.....		<u>145</u>	
(c) Total Design Cost.....		<u>194</u>	
(d) Contract.....		<u>103</u>	
(e) In-house.....		<u>91</u>	
(4) Construction Start.....		<u>DEC 1993</u> month & year	
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Or Requested</u>	Cost <u>(\$000)</u>
IDS Equipment	OPA	1994	7
Info Sys - ISC	OPA	1994	12
		TOTAL	<u>19</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Lee Virginia			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.87	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	698	2651	3013	689	3881	541	69
B. END FY 1999	616	2322	2971	558	4004	336	68
							40
							1773
							12,688
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	5,575 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	673,048						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	32,600						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	40,977						
H. GRAND TOTAL.....	746,625						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS	
CODE	NUMBER			(\$000)	START	COMPLETE	
721	2571	Whole Barracks Renewal		20,000	12/1992	04/1994	
171	2580	Applied Instruction Facility		12,600	02/1992	06/1993	
				TOTAL	32,600		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for the US Army Combined Arms Support Command, the US Army Quartermaster Center and School, US Army Logistics Management College, Defense Commissary Agency, major combat support forces and other tenant activities, support reserve components and other satellite activities and units. Provides support and facilities for the US Army Quartermaster Center and School, US Army Logistics Management Center, major combat and combat support forces and other tenant activities, support reserve components and other satellited activities and units.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Lee Virginia										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Lee Virginia				4. PROJECT TITLE Whole Barracks Renewal			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721		7. PROJECT NUMBER 2571		8. PROJECT COST (\$000) Auth 20,000 Approp 20,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							17,135
Barracks Modernization				SF	194,382	60.70	(11,799)
Co/Bn Operations Facility				SF	43,200	72.10	(3,115)
Dining Facility				SF	16,412	130.43	(2,141)
Building Information Systems				LS	--	--	(80)
SUPPORTING FACILITIES							746
Electric Service				LS	--	--	(155)
Water, Sewer, Gas				LS	--	--	(55)
Paving, Walks, Curbs And Gutters				LS	--	--	(347)
Storm Drainage				LS	--	--	(22)
Site Imp(141) Demo()				LS	--	--	(141)
Information Systems				LS	--	--	(26)
ESTIMATED CONTRACT COST							17,881
CONTINGENCY PERCENT (8.00%)							1,430
SUBTOTAL							19,311
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,159
TOTAL REQUEST							20,470
TOTAL REQUEST (ROUNDED)							20,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(44)
10. Description of Proposed Construction Modernize and reconfigure two barracks. Project includes living/sleeping room, bath, two walk-in closets, dayroom, television room, storage, laundry room, separate entrances, and upgrade finishes. Construct a company/battalion (Co/Bn) operations facility and a standard-design dining facility. Work includes upgrade of electric systems, wall and roof insulation, flooring, painting, ceilings, windows, and air conditioning. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs, and gutters; parking; storm drainage; information systems; and site improvements. Access for the handicapped will be provided in the administrative area and dining facility only. Heating will be provided by a gas-fired boiler. Air conditioning: 600 tons.							
11. REQUIREMENT: 4,370 PN ADEQUATE: 929 PN SUBSTANDARD: 1,940 PN PROJECT: Modernize and reconfigure two barracks to meet the Whole Barracks Renewal Program Standard. Construct a battalion/company operations facility and a standard-design dining facility. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 2571	
<p>REQUIREMENT: This project is required to provide improvements to two existing barracks, consolidate battalion/company administrative functions, and provide adequate centralized dining facilities. Under the Whole Barracks Renewal Program improvements will provide better living conditions with the installation of air conditioning and improved dining facilities for the personnel living in these barracks. Intended and maximum utilization is 648 personnel.</p> <p>CURRENT SITUATION: Built in the 1950s, the existing buildings do not meet current facility standards. The dining facilities have deteriorated and do not conform to modern Army standards. Improvements are needed to enhance the management and daily operation of the dining facilities. Barracks and dining facilities presently lack air conditioning. Most of the soldiers sleep in open-bays and the latrines and showers are communal for the entire wing, requiring some soldiers to walk through the administrative wing to use the latrine or shower. The current barracks provide spaces for 700 personnel.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, food service will not provide effective, efficient and economical service in support of the soldier. Facilities will progressively deteriorate until a costly, emergency upgrade project is required. Living conditions for the Advanced Individual Training (AIT) students will deteriorate, adversely affecting troop morale and decreasing career attractiveness. Soldiers will continue to suffer from lack of air conditioning and inadequate ventilation, and the latrine and shower areas will be damaged by constant mildew and moisture due to inadequate ventilation. Open bays and shared latrines and showers will continue to be the norm for most soldiers at Fort Lee, despite the Army's efforts to improve living conditions in the barracks.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>DEC 1992</u>	
(b) Percent Complete As Of 01 March 93 (BDGT YR)....	<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>50</u>	
(d) Design Complete Date.....	<u>APR 1994</u>	
(2) Basis:		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Lee, Virginia					
4. PROJECT TITLE Whole Barracks Renewal				5. PROJECT NUMBER 2571	
12. SUPPLEMENTAL DATA: (Continued)					
A. Estimated Design Data: (Continued)					
(a) Standard or Definitive Design - (YES/NO) N					
(b) Where Design Was Most Recently Used					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications.....					719
(b) All Other Design Costs.....					426
(c) Total Design Cost.....					1,145
(d) Contract.....					895
(e) In-house.....					250
(4) Construction Start..... JUL 1994					
month & year					
B. Equipment associated with this project which will be provided from other appropriations:					
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>		
Info Sys - ISC	OPA	0000	44		
		TOTAL	44		

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994		MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Fort Lee Virginia		Applied Instruction Facility	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
85796A	171	2580	Auth 12,600 Approp 12,600
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
PRIMARY FACILITY			
Applied Instruction Classrooms	SF	125,660	80.72
EMCS Connection	LS	--	--
Building Information Systems	LS	--	--
SUPPORTING FACILITIES			
Electric Service	LS	--	--
Water, Sewer, & Gas	LS	--	--
Paving, Walks, Curbs & Gutters	LS	--	--
Storm Drainage	LS	--	--
Site Imp(335) Demo()	LS	--	--
Information Systems	LS	--	--
ESTIMATED CONTRACT COST			11,347
CONTINGENCY PERCENT (5.00%)			567
SUBTOTAL			11,914
SUPERVISION, INSPECTION & OVERHEAD (6.00%)			715
TOTAL REQUEST			12,629
TOTAL REQUEST (ROUNDED)			12,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			(78)
10. Description of Proposed Construction Construct an automated supply training facility, with 30 applied instruction classrooms, administrative space for two training divisions, supply room with an issue point, a publications facility, breakrooms and latrines. Connect to energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; fire sprinklers and alarm systems; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements. Heating and air conditioning (600 tons) will be provided by a self-contained system. Access for the handicapped will be provided.			
11. REQUIREMENT: 629,114 SF ADEQUATE: 163,102 SF SUBSTANDARD: 185,757 SF PROJECT: Construct an automated supply training facility. (Current Mission) REQUIREMENT: This project is required to provide an adequate training facility for 8,000 officers, noncommissioned officers, and enlisted students of the Quartermaster School attending supply training in Materiel Control and Accounting Specialist, Advanced Individual Training (AIT), Basic Noncommissioned Officer Courses (BNCOC), and Advanced Noncommissioned Officer Courses (ANCOC). The allocation of the 125,660 SF for this project is as follows: 30 individual 2,400 SF classrooms supporting 40 students each (total			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Applied Instruction Facility	5. PROJECT NUMBER 2580	
<p><u>REQUIREMENT:</u> (CONTINUED) 72,000 SF). Administrative space for 126 personnel at 128 SF per person (total 16,128 SF), supply and central publication storage (total 6,000 SF), student break area (total 3,600 SF), latrines (total 2,000 SF), and circulation and mechanical (total 25,932 SF).</p> <p><u>CURRENT SITUATION:</u> The training and administrative functions are presently occupying space in 26 buildings located around the installation. The buildings are a mixture of temporary World War II construction, semi-permanent construction, and small permanent facilities. Most of the temporary and semi-permanent facilities are substandard and inhibit the proper training of the soldiers. The loss of valuable training time, due to marching students to and from the various facilities, and the lack of adequate heating and cooling in the temporary facilities is costly. Additionally, the lack of efficiency created by having the administrative support, training facilities, and instructor preparation areas scattered around Fort Lee reduces the ability of the school to devote maximum effort to training. The Quartermaster School is currently accredited by the Southern Association of Colleges, which requires a reevaluation of facilities and instructional programs every five years. Part of the requirement for continued accreditation is a positive program for improvement of facilities and the replacement of obsolete, inadequate facilities. The most recent accreditation expressed concern over the condition of the temporary buildings, and was granted partially because of programmed projects -- such as this one -- to modernize the teaching facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Quartermaster School will continue to use the existing substandard facilities to train the soldiers in this specialty. The ability of the Army to properly train specialists in the rapidly advancing field of supply automation systems will be adversely impacted due to loss of training time and the scattered location of training and support facilities. Additionally, if the Quartermaster School loses its accreditation, soldiers will no longer receive advanced education credits for the training they receive at Fort Lee, and retention/reenlistment may be affected.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Myer Virginia			4. COMMAND US Army Military District of Washington			5. AREA CONSTRUCTION COST INDEX 1.05	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		92	1444	122	0	0	0
B. END FY 1999		86	1900	556	0	0	0
					0	864	223
					0	864	311
							2,745
							3,717
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		256 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		229,176					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		6,800					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		6,100					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		13,393					
H. GRAND TOTAL.....		255,469					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	33965	Whole Barracks Renewal		6,800	05/1992	07/1993	
				TOTAL	6,800		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721		Whole Barracks Renewal		6,100			
				TOTAL	6,100		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Fort Myer serves as a troop/ceremonial post in support of missions assigned to the U.S. Army Military District of Washington. Fort Myer provides troop housing for the 3rd Inf Regt (The Old Guard), the U.S. Army Band (Pershing's Own), and authorized members of all services within the National Capital Region. Fort Myer provides housing for the Chairman, Joint Chiefs of Staff, the Chief of Staff, Army and the Chief of Staff, Air Force. Fort Myer, the Old Guard and the Army Band are responsible for supporting Arlington National Cemetery and numerous military ceremonies and public events throughout the Nation's Capital. Fort Myer provides base operations (BASOPS)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Myer Virginia										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) support to the Pentagon, the White House and other authorized claimants throughout the National Capital Region.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Myer Virginia				4. PROJECT TITLE Whole Barracks Renewal			
5. PROGRAM ELEMENT 22896A		6. CATEGORY CODE 721		7. PROJECT NUMBER 33965		8. PROJECT COST (\$000) Auth 6,800 Approp 6,800	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							5,786
Barracks Renovation				SF	70,000	79.85	(5,590)
Asbestos Abatement				LS	--	--	(166)
Building Information Systems				LS	--	--	(30)
<u>SUPPORTING FACILITIES</u>							48
Electric Service				LS	--	--	(48)
ESTIMATED CONTRACT COST							5,834
CONTINGENCY PERCENT (10.0%)							583
SUBTOTAL							6,417
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							385
TOTAL REQUEST							6,802
TOTAL REQUEST (ROUNDED)							6,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Renovate and convert all floors including basement and attic of one historic barracks building. Project includes living/sleeping room, bath, walk-in closets, laundry and storage; company operation facility; utility distribution systems for electric; plumbing; and heating, ventilation and air conditioning (HVAC). Replace interior partitions, floor system, doors and windows, repair exterior walls, enclose first floor porch area, install fire system consisting of heat and smoke detection devices in all living quarters, install interior cable system, remove and dispose of asbestos (flooring and insulation), reroute the chilled water pipe and distribution system, and rewire with copper wire. Work also includes four stairs at the location of existing stairs and strengthening a portion of attic floor to accommodate office and storage use. Work also includes reestablishment and reconstruction of historic front porch and landscaping in rear court yard.							
11. REQUIREMENT: 2,553 PN ADEQUATE: NONE SUBSTANDARD: 124 PN							
PROJECT: Modernize an historic barracks building to meet the Whole Barracks Renewal Program Standard. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Myer, Virginia		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 33965	
<p>REQUIREMENT: This project is required to continue the modernization of existing permanent barracks to provide adequate housing. This project will provide housing for total of 121 personnel (PN): 106 E1-E4, 11 E5-E6 and 4 E7-E8 (intended utilization). Maximum utilization is 136 enlisted personnel. Current utilization is 133 enlisted personnel.</p> <p>CURRENT SITUATION: The existing three story brick building was built in 1895 on a stone foundation with a slate roof and has been classified as a Category II historical building. No major repair work has been done in the last 15 years. The slate roof was repaired in 1984. The existing plumbing, electrical and HVAC systems are outdated, inefficient, and do not comply with current codes. Significant replacement and repair is needed to avoid further deterioration of this historical building.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, outdated and inefficient electrical, plumbing, heating and air conditioning systems will continue to deteriorate, routine maintenance will not be sufficient, and major system failures will occur. Man hours expended for backlog of maintenance and repair will increase rapidly, and quality-of-life program goals for enlisted soldiers will not be met. Failure to provide this project will mean that soldiers will continue to live in substandard housing that does not meet current Army space requirements for enlisted personnel. The building is in extremely poor condition due to backlog of deferred maintenance. The building does not comply with the National Historical Preservation Act.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date..... <u>MAY 1992</u>		
(b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>50</u>		
(c) Percent Complete As Of 01 October 93 (PROG YR).. <u>100</u>		
(d) Design Complete Date..... <u>JUL 1993</u>		
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Myer, Virginia		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 33965	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		255
(b) All Other Design Costs.....		236
(c) Total Design Cost.....		491
(d) Contract.....		341
(e) In-house.....		150
(4) Construction Start..... JAN 1994 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u> Cost (\$000)
	None	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART 1)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Washington		Fort Lewis (FORSCOM)			283
	39078	Incinerator Building Completion	14,200	14,200	285
		Subtotal For Fort Lewis PART I	\$ 14,200	14,200	
		* TOTAL MCA FOR Washington	\$ 14,200	14,200	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993				
3. INSTALLATION AND LOCATION Fort Lewis Washington		4. COMMAND US Army Forces Command				5. AREA CONSTRUCTION COST INDEX 1.00				
6. PERSONNEL STRENGTH:										
	PERMANENT		STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	2215	14161	3332	6	202	0	41	88	541	20,586
B. END FY 1999	2129	12783	4149	13	28	0	69	316	584	20,071
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE.....	86,174 AC									
B. INVENTORY TOTAL AS OF 30 SEP 1992.....								2,731,672		
C. AUTHORIZATION NOT YET IN INVENTORY.....								0		
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....								14,200		
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....								30,500		
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....								0		
G. REMAINING DEFICIENCY.....								97,358		
H. GRAND TOTAL.....								2,873,730		
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:										
CATEGORY PROJECT		PROJECT TITLE		COST		DESIGN STATUS				
CODE	NUMBER			(\$000)	START	COMPLETE				
833	39078	Incinerator Building Completion		14,200	10/1989	01/1993				
				TOTAL	14,200					
9. FUTURE PROJECTS:										
CATEGORY		PROJECT TITLE		COST						
CODE			(\$000)							
A. INCLUDED IN THE FY 1995 PROGRAM:										
812	Utility Systems		8,500							
721	Whole Barracks Renewal		22,000							
				TOTAL	30,500					
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Support and training of I Corps Headquarters and organizations assigned to I Corps, including a motorized brigade. Support Madigan Army Medical Center and Reserve Component annual training. Ensure the most efficient utilization of resources to operate Fort Lewis and accomplish all assigned missions. Conduct mobilization operations to meet wartime requirements. Conduct operations in support of civil authorities in domestic emergencies.										

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Lewis Washington										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Lewis Washington			4. PROJECT TITLE Incinerator Building Completion		
5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 100	7. PROJECT NUMBER 39078	8. PROJECT COST (\$000) Auth 14,200 Approp 14,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Incinerator Incl. Mods		LS	--	--	12,173
Recycle Center Modifications		LS	--	--	(9,611)
Ash Landfill Cell		LS	--	--	(325)
					(2,237)
SUPPORTING FACILITIES					
ESTIMATED CONTRACT COST					
CONTINGENCY PERCENT (10.0%)					12,173
SUBTOTAL					1,217
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					13,390
TOTAL REQUEST					803
TOTAL REQUEST (ROUNDED)					14,193
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					14,200
					(0)
10. Description of Proposed Construction Complete the construction of a heat recovery refuse incinerator to include a shredder, deaerator tank, separation of ash streams, and a fly ash solidification system. Modify an existing recycling facility to provide magnetic metal separation with associated conveyors and building extension. Construct a double-lined ash disposal landfill cell, with leachate collection and groundwater monitoring wells.					
11. REQUIREMENT: 190 TN ADEQUATE: 10 TN SUBSTANDARD: NONE					
PROJECT: Complete the construction of a heat recovery refuse incinerator, provide improvements to a recycling facility and construct a double-lined ash landfill cell. (Current Mission)					
REQUIREMENT: An FY 87 MCA project for a heat recovery incinerator at Fort Lewis was never completed. Construction was terminated in August 1989, due to bankruptcy of the contractor and surety defaults. The plant stands at approximately 80 percent complete, but is deteriorating as construction is delayed. At a recent site visit, representatives from Headquarters, Army Corps of Engineers and Argonne National Laboratories evaluated the subject plant. They felt the incinerator was a good basic design and soundly constructed. Their final recommendation was to complete the facility with some minor					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993														
3. INSTALLATION AND LOCATION Fort Lewis, Washington																
4. PROJECT TITLE Incinerator Building Completion	5. PROJECT NUMBER 39078															
<p><u>REQUIREMENT:</u> (CONTINUED) modifications and two additional requirements to comply with the new Washington State environmental laws. These additions include a waste shredder with magnetic separator and a double lined landfill for the ash disposal. The minor modifications include improvements to the incinerator to provide a more functional system.</p> <p><u>CURRENT SITUATION:</u> Fort Lewis and McChord Air Force Base (AFB) municipal solid waste is currently disposed of in a lined cell at the Fort Lewis landfill, after processing through the recycling center. This disposal method uses space at a rate approximately five times that of incinerated ash. Barracks in the division area are currently heated by boiler plants utilizing fossil fuels. The new incinerator, designed to provide heat to these same buildings, continues to deteriorate as it stands unused. The price for plant completion continues to escalate due to inflation and continued deterioration.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Fort Lewis will be forced to continue buying fossil fuels to heat the barracks in the Division area. The expected reduction in air emissions will not be achieved. The remaining landfill space will be used up much more rapidly.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria. "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>																
12. SUPPLEMENTAL DATA:																
<p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td>OCT 1989</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td>100</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td>100</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td>JAN 1993</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design - (YES/NO) N</td> <td></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used</td> <td></td> </tr> </table> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td></td> </tr> </table>			(a) Design Start Date.....	OCT 1989	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	100	(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	(d) Design Complete Date.....	JAN 1993	(a) Standard or Definitive Design - (YES/NO) N		(b) Where Design Was Most Recently Used		(a) Production of Plans and Specifications.....	
(a) Design Start Date.....	OCT 1989															
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	100															
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100															
(d) Design Complete Date.....	JAN 1993															
(a) Standard or Definitive Design - (YES/NO) N																
(b) Where Design Was Most Recently Used																
(a) Production of Plans and Specifications.....																

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lewis, Washington		
4. PROJECT TITLE Incinerator Building Completion	5. PROJECT NUMBER 39078	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....	_____	241
(c) Total Design Cost.....	_____	241
(d) Contract.....	_____	_____
(e) In-house.....	_____	241
(4) Construction Start.....	JUL 1994 month & year	
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Cost Or Requested (\$000)
None		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	REQUEST	
US Various		Classified US Location (USVAR)				291
	42169	Classified Project	3,000	3,000		293
		Subtotal For Classified US Location PART I	\$ 3,000	3,000		
		* TOTAL MCA FOR US Various	\$ 3,000	3,000		
		** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 630,401	630,401		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Classified US Location US Various			4. COMMAND Various US Army Major Commands-US			5. AREA CONSTRUCTION COST INDEX 1.00	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		0	0	0	0	0	0
B. END FY 1999		0	0	0	0	0	0
		TOTAL					
		0	0	0	0	0	0
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		0 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		0					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		3,000					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		0					
H. GRAND TOTAL.....		3,000					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
141	42169	Classified Project		3,000			
				TOTAL	3,000		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				0			
B. WATER POLLUTION				0			
C. OCCUPATIONAL SAFETY AND HEALTH				0			

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Classified US Location US Various				4. PROJECT TITLE Classified Project			
5. PROGRAM ELEMENT 91212A		6. CATEGORY CODE 141	7. PROJECT NUMBER 42169		8. PROJECT COST (\$000) Auth 3,000 Approp 3,000		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							
CONTINGENCY PERCENT (5.00%)							
SUBTOTAL							
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							
TOTAL REQUEST							
TOTAL REQUEST (ROUNDED)							
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction This project covers classified activities at various locations. Additional information concerning the requirements associated with this project will be provided to Congress during the review of Military Construction Army, Fiscal Year 1992, Authorization/Appropriation Request.							
11. <u>REQUIREMENT:</u> NONE ADEQUATE: NONE SUBSTANDARD: NONE							
<u>PROJECT:</u> To be provided during Congressional review of MCA request. (Current Mission)							
<u>REQUIREMENT:</u> To be provided during Congressional review of MCA request.							
<u>CURRENT SITUATION:</u> To be provided during Congressional of MCA request.							
<u>IMPACT IF NOT PROVIDED:</u> To be provided during Congressional review of MCA request.							

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	REQUEST	
Kwajalein		Kwajalein Atoll (USASDC)				297
		Kwajalein Atoll				
	35900	Sewage Treatment Facility	11,200	11,200		299
	36324	Unaccompanied Personnel Housing	10,000	10,000		302
		Subtotal For Kwajalein Atoll PART I	\$ 21,200	21,200		
		* TOTAL MCA FOR Kwajalein	\$ 21,200	21,200		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein			4. COMMAND US Army Strategic Defense Command			5. AREA CONSTRUCTION COST INDEX 2.54	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		21	10	107	0	0	0
B. END FY 1999		21	10	107	0	0	0
		1	0	1860	1	0	1,999
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		3,568 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,205,339					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		21,200					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		36,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		59,360					
G. REMAINING DEFICIENCY.....		60,750					
H. GRAND TOTAL.....		1,382,649					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY		PROJECT		COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
724	36324	Unaccompanied Personnel Housing		10,000	06/1991	10/1993	
831	35900	Sewage Treatment Facility		11,200	08/1992	09/1993	
				TOTAL	21,200		
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
154		Shore Protection		7,700			
442		Hazardous Material Warehouse		9,800			
841		Cover Raw Water Tanks		5,500			
724		Unaccompanied Personnel Housing		13,000			
				TOTAL	36,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provide technical and logistical support for on-site ballistic missile defense research and development programs. Provide technical support for strategic offensive weapon system development and operational testing. Collect data on objects in space. Maintain and foster relationships with the government of the Republic of the Marshall Islands.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Kwajalein Atoll Kwajalein										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">80,900</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	80,900	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	80,900									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein				4. PROJECT TITLE Sewage Treatment Facility			
5. PROGRAM ELEMENT 65856A		6. CATEGORY CODE 831	7. PROJECT NUMBER 35900		8. PROJECT COST (\$000) Auth 11,200 Approp 11,200		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							8,704
Sewage Treatment Plant				LS	--	--	(3,789)
Pump Station				EA	4	321,000	(1,284)
12 in Sewer Outfall in Water				LF	1,200	1,640	(1,968)
12 in Sewer Outfall on Land				LF	1,000	218.00	(218)
4 in Waterline				LF	7,900	48.00	(379)
Total from Continuation page							(1,066)
SUPPORTING FACILITIES							1,248
Electric Service				LS	--	--	(260)
Water, Sewer, Gas				LS	--	--	(686)
Paving, Walks, Curbs And Gutters				LS	--	--	(21)
Storm Drainage				LS	--	--	(11)
Site Imp(183) Demo(25)				LS	--	--	(208)
Information Systems				LS	--	--	(62)
ESTIMATED CONTRACT COST							9,952
CONTINGENCY PERCENT (5.00%)							498
SUBTOTAL							10,450
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							679
TOTAL REQUEST							11,129
TOTAL REQUEST (ROUNDED)							11,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1)
10. Description of Proposed Construction							
Construct a sewage treatment system on Roi-Namur for domestic waste water to include an office and laboratory. Supporting facilities include utilities, electric service, force mains, sewage pump stations, storm drainage, fire protection and alarm systems, paving, fencing and gates, information systems, and site improvements. Trouble alarms will also be included at new sewage pump stations. Air conditioning (4 tons) will be provided by a self-contained system for office area only. Demolish one building (546 SF) within the footprint.							
11. REQUIREMENT: 70 KG ADEQUATE: NONE SUBSTANDARD: 70 KG							
PROJECT: Construct a sewage treatment system. (Current Mission)							
REQUIREMENT: This project is required to eliminate the discharge of undertreated domestic sewage into the ocean. This project is required for the US Army Kwajalein Atoll to comply with its Environmental Mitigation Plan and effluent to meet requirements of National Pollutant Discharge Elimination System (NPDES) Permit Number TT0110027 (Section 301 (H) of the Clean Water Act, as defined in the Compact of Free Association between the US and the Republic of the Marshall Islands. There are no alternatives which can satisfy this requirement.							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Kwajalein Atoll, Kwajalein					
4. PROJECT TITLE Sewage Treatment Facility				5. PROJECT NUMBER 35900	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
PRIMARY FACILITY (CONTINUED)					
8 in Sewer Line	LF	1,600	126.00	(202)	
6 in Force Main	LF	7,900	109.00	(861)	
Building Information Systems	LS	--	--	(3)	
			Total	1,066	
CURRENT SITUATION: Domestic sewage on the Roi (west) side of Roi-Namur is kept in a holding tank for a short period of time and then pumped, with only preliminary treatment, into the ocean. The Namur (east) side uses an combination of septic tanks and leaching fields to dispose of its waste water sewage which has the potential for infiltration of the freshwater lenses. Roi-Namur is the only island that violates the Clean Water Act. Part of the Record of Decision (ROD) allowing continued missile testing at US Army, Kwajalein Atoll stipulated that the US Army would construct this plant. The Republic of the Marshall Islands (RMI) Environmental Protection Agency has not cited the US Government with the understanding that we will honor our commitment under the ROD.					
IMPACT IF NOT PROVIDED: If this project is not provided, Roi-Namur will continue to dump undertreated wastewater into the ocean and be in noncompliance with the Clean Water Act. This will adversely impact the safety and health of personnel and the relationship between the US and the Republic of the Marshall Islands.					
ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.					
12. SUPPLEMENTAL DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Design Start Date.....				AUG 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..				35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..				100	
(d) Design Complete Date.....				SEP 1993	
(2) Basis:					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Kwajalein Atoll, Kwajalein			
4. PROJECT TITLE Sewage Treatment Facility	5. PROJECT NUMBER 35900		
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		272	
(b) All Other Design Costs.....		256	
(c) Total Design Cost.....		528	
(d) Contract.....		478	
(e) In-house.....		50	
(4) Construction Start.....		FEB 1994 month & year	
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Info Sys - ISC	OPA	1994	1
		TOTAL	1

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein				4. PROJECT TITLE Unaccompanied Personnel Housing				
5. PROGRAM ELEMENT 65301A		6. CATEGORY CODE 724	7. PROJECT NUMBER 36324		8. PROJECT COST (\$000) Auth 10,000 Approp 10,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								
Unaccompanied Personnel Housing					SF	36,000	222.50	8,472
Replace Tennis Courts (2)					LS	--	--	(8,010)
Building Information Systems					LS	--	--	(376)
								(86)
SUPPORTING FACILITIES								
Electric Service					LS	--	--	547
Water, Sewer, & Gas					LS	--	--	(90)
Paving, Walks, Curbs & Gutters					LS	--	--	(54)
Site Imp(37) Demo(292)					LS	--	--	(44)
Information Systems					LS	--	--	(329)
								(30)
ESTIMATED CONTRACT COST								9,019
CONTINGENCY PERCENT (5.00%)								451
SUBTOTAL								9,470
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								616
TOTAL REQUEST								10,086
TOTAL REQUEST (ROUNDED)								10,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(5)
10. Description of Proposed Construction Construct an unaccompanied personnel housing (UPH) facility. Relocate two lighted tennis courts. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided. Air conditioning (100 tons) will be provided from self-contained system. Demolish three buildings (13,022 SF) and two tennis courts (14,040 SF).								
11. REQUIREMENT: 1,370 PN ADEQUATE: NONE SUBSTANDARD: 677 PN								
PROJECT: Construct an unaccompanied personnel housing facility. (Current Mission)								
REQUIREMENT: This project is required to provide housing for 88 unaccompanied personnel assigned to USA Kwajalein Atoll (USAKA). This is the second phase of a three-phase project to furnish acceptable housing for 288 unaccompanied personnel on Kwajalein. Phase three will provide housing for 100 personnel and is in the FY 95 program. The residents will be technicians and engineers responsible for operating the range, conducting intelligence operations, space shuttle support, and test programs. The success of these operations, highly sophisticated tests for development of anti-ballistic								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION		
Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE Unaccompanied Personnel Housing	5. PROJECT NUMBER 36324	
<u>REQUIREMENT:</u> (CONTINUED)		
missile interceptors, and National Aeronautical and Space Administration (NASA) support is heavily dependent upon ability to recruit highly qualified technical personnel to operate the range sensors and test equipment. There is not sufficient housing to adequately accommodate the technicians. Programs scheduled at USAKA will be delayed due to a lack of housing for technical personnel.		
<u>CURRENT SITUATION:</u> The USAKA is a national test range and deep space tracking center. USAKA is also the site of the Kiernan Reentry Measurements Site (KREMS), one of the primary United States assets for tracking deep space objects and foreign missile launches. The Kwajalein Atoll is only 1.2 square miles in area and located approximately 2,000 miles southwest of Hawaii, making it a very small, very remote, isolated installation. Successful accomplishment of USAKA's research, development, test and evaluation mission depends upon the ability to recruit highly trained technical personnel. Due to limited family housing, most of these technicians are recruited on an unaccompanied basis. The existing quarters are old, overcrowded, unattractive and do not provide the basic privacy which people need. Some live in old trailers. As a result, morale is low, job performance suffers, and the job turnover rate is very high. This is costly in terms of money and degradation in mission performance.		
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, USAKA will be unable to fulfill its mission in an efficient and timely manner. Technical personnel will continue to be housed in crowded, inadequate facilities, and employee morale and performance will suffer. Operational and multi-million dollar test programs will not be conducted on schedule or with the best available personnel. This project is required to provide optimum mission support as a national test range in support of the Strategic Defense Initiative (SDI) Program.		
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System ((DCIS). An economic analysis has been prepared and utilized in evaluating this project.		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date..... JUN 1991		
(b) Percent Complete As Of 01 January 93 (BDGT YR).. 45		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Kwajalein Atoll, Kwajalein					
4. PROJECT TITLE Unaccompanied Personnel Housing				5. PROJECT NUMBER 36324	
12. SUPPLEMENTAL DATA: (Continued)					
A. Estimated Design Data: (Continued)					
(c) Percent Complete As Of 01 October 93 (PROG YR) ..					100
(d) Design Complete Date.....					SEP 1993
(2) Basis:					
(a) Standard or Definitive Design - (YES/NO) Y					
(b) Where Design Was Most Recently Used USA Kwajalein Atoll					
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)					
(a) Production of Plans and Specifications.....					400
(b) All Other Design Costs.....					200
(c) Total Design Cost.....					600
(d) Contract.....					500
(e) In-house.....					100
(4) Construction Start..... JAN 1994					
month & year					
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
Info Sys - ISC	OPA	1994	5		
TOTAL			5		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Overseas Various		Classified Location (FORVAR)			307
		Classified Location			
	27533	Communications Maintenance Facility	3,600	3,600	309
		Subtotal For Classified Location PART I	\$ 3,600	3,600	
		* TOTAL MCA FOR Overseas Various	\$ 3,600	3,600	
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 24,800	24,800	

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
Classified Location Overseas Various			Communications Maintenance Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		441	27533		Auth 3,600 Approp 3,600	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY						
Communications Maintenance Bldg		SF	24,000	65.88	2,595 (1,581)	
Admin Facility		SF	3,100	103.55	(321)	
Staging Area		SF	87,300	1.29	(113)	
Fuel Distribution		GA	18,000	13.11	(236)	
Elevated Water Tank/Pump Station		GA	135,000	2.55	(344)	
SUPPORTING FACILITIES						
Electric Service		LS	--	--	610 (94)	
Water, Sewer, Gas		LS	--	--	(58)	
Paving, Walks, Curbs, And Gutter		LS	--	--	(234)	
Site Imp(220) Demo()		LS	--	--	(220)	
Information Systems		LS	--	--	(4)	
ESTIMATED CONTRACT COST					3,205	
CONTINGENCY PERCENT (5.00%)					160	
SUBTOTAL					3,365	
SUPERVISION, INSPECTION & OVERHEAD (6.50%)					219	
TOTAL REQUEST					3,584	
TOTAL REQUEST (ROUNDED)					3,600	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)	
10. Description of Proposed Construction Construct a repositioning storage site and an operational facility to include administrative space, maintenance space, open storage, a depot warehouse and perimeter fencing. This facility will be built in Southwest Asia (SWA) and will be used to forward preposition communications equipment. Operational equipment will be stored in the depot facility. Support equipment will be placed in open storage. Supporting facilities include utilities, electric service, fencing, parking, access road, septic tank, fire protection and alarm systems, information systems, and site improvements. The supporting utility costs are based upon using existing utilities and a 200-foot offset from the main. Heating and air conditioning (6 tons) will be provided by self-contained systems for administration and maintenance areas.						
11. REQUIREMENT: 81,300 SF ADEQUATE: NONE SUBSTANDARD: NONE						
PROJECT: Construct a Communications Maintenance and Management facility to reposition communications equipment in support of Defense Communications System - Central Area (DCS-CA) and US Central Command (USCENTCOM) requirements in SWA. (Current Mission)						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Classified Location, Overseas Various		
4. PROJECT TITLE Communications Maintenance Facility	5. PROJECT NUMBER 27533	
<p><u>REQUIREMENT:</u> This project is required to preposition and station communications equipment in order to meet theater communications requirements. The USCENCOM Area of Responsibility (AOR) is characterized by vast expanses and harsh terrain. There is almost a complete lack of communications facilities which makes it extremely difficult to support either peacetime, contingency, or wartime operations. The planned DCS-CA network will provide US Commander-in-Chief, Central (USCINCCENT) with intertheater common user and command and control (C2) conductivity from his AOR to the National Command Authority (NCA), Joints Chiefs of Staff (JCS), supporting unified and specified commands, as well as intratheater communications to embassies, friendly forces or allies, and component forces in the AOR. This facility will be the first Army-constructed link in the network.</p> <p><u>CURRENT SITUATION:</u> Equipment delivery began in FY 87. This equipment is being stored with the 11th Signal Brigade. The existing in-theater communications network is so inadequate that USCINCCENT depends upon the availability of this continental United States (CONUS)-based equipment to support his operations. The amount of equipment, lift requirements, and the speed with which this equipment is required in theater, makes forward prepositioning the only viable option to insure proper mission support.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, critical air-lift will be required to transport CONUS-based communications equipment to the theater. This is significant because there are numerous requirements competing for limited sorties. Any delay in the arrival of the equipment will adversely affect intratheater communications capabilities and will jeopardize USCENCOM's ability to perform its mission.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Project is not eligible for Host Nation funding. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		AUG 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		50
(c) Percent Complete As Of 01 October 93 (PROG YR)..		100
(d) Design Complete Date.....		SEP 1993
(2) Basis:		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Classified Location, Overseas Various		
4. PROJECT TITLE Communications Maintenance Facility	5. PROJECT NUMBER 27533	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		175
(b) All Other Design Costs.....		80
(c) Total Design Cost.....		255
(d) Contract.....		20
(e) In-house.....		235
(4) Construction Start..... APR 1994 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> Cost (\$000)
None		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION	PAGE
			REQUEST	REQUEST	
Worldwide	Various	Minor Construction (MINECG)			315
	28464	Unspecified Minor Construction	12,000	12,000	317
		Subtotal For Minor Construction PART I	\$ 12,000	12,000	
		Planning and Design (PLANDES)			319
	37156	Planning and Design	84,441	84,441	321
	37214	Host Nation Support	25,000	25,000	323
		Subtotal For Planning and Design PART I	\$ 109,441	109,441	
		* TOTAL MCA FOR Worldwide Various	\$ 121,441	121,441	
		** TOTAL WORLDWIDE FOR MCA	\$ 121,441	121,441	
		MILITARY CONSTRUCTION (PART I) TOTAL	\$ 776,642	776,642	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Minor Construction Minor Construction, Worldwide Various			4. PROJECT TITLE Unspecified Minor Construction				
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE BBB	7. PROJECT NUMBER 28464	8. PROJECT COST (\$000) Auth 12,000 Approp 12,000			
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY Minor Construction Unspecified				LS	--	--	12,000 (12,000)
SUPPORTING FACILITIES							
ESTIMATED CONTRACT COST							12,000
CONTINGENCY PERCENT (.000%)							
SUBTOTAL							12,000
SUPERVISION, INSPECTION & OVERHEAD (.000%)							
TOTAL REQUEST							12,000
TOTAL REQUEST (ROUNDED)							12,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
<p>10. Description of Proposed Construction Unspecified Minor construction projects which have a funded cost of \$1,500,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 USC 2805.</p> <p><u>REQUIREMENT:</u> This project is required to provide for unspecified projects for which the need cannot reasonably be foreseen nor justified in time to be included in this Military Construction, Army (MCA) program.</p> <p><u>CURRENT SITUATION:</u> In FY 92 the Army identified over \$25 million in urgent requirements which qualified for unspecified funding under 10 USC 2805. These urgent unforeseen projects addressed high national priorities such as environmental protection, health, safety, and new/changed mission. They could not wait for normal Military Construction, Army (MCA) programming. The Army expects to obligate the entire FY 93 UMMCA program by the close of the fiscal year.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Historical data on the Army's unforeseen urgent requirements supports this annual funding level. A reduction to this request will result in an additional backlog of unforeseen requirements affecting the Army's ability to perform its mission in a constantly changing environment.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Minor Construction, Worldwide Various		
4. PROJECT TITLE Unspecified Minor Construction	5. PROJECT NUMBER 28464	
<p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS).</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various			4. COMMAND Planning and Design			5. AREA CONSTRUCTION COST INDEX 1.00	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		0	0	0	0	0	0
B. END FY 1999		0	0	0	0	0	0
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		0 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		0					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		114,041					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		92,420					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		111,148					
G. REMAINING DEFICIENCY.....		0					
H. GRAND TOTAL.....		317,609					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY		PROJECT		COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
000	37214	Host Nation Support		25,000			
000	37156	Planning and Design		89,041			
000	40830	Strategic Mobility P&D		0			
TOTAL				114,041			
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE		COST			
CODE				(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
000		Planning And Design		67,420			
000		Host Nation Support		25,000			
000		Strategic Mobility P&D		0			
TOTAL				92,420			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Planning and Design Planning and Design, Worldwide Various				4. PROJECT TITLE Planning and Design			
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 000	7. PROJECT NUMBER 37156		8. PROJECT COST (\$000) Auth 84,441 Approp 84,441		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u> Planning and Design				LS	--	--	84,441 (84,441)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							84,441
CONTINGENCY PERCENT (.000%)							
SUBTOTAL							84,441
SUPERVISION, INSPECTION & OVERHEAD (.000%)							
TOTAL REQUEST							84,441
TOTAL REQUEST (ROUNDED)							84,441
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction							
This item provides for advance and final design of construction projects, for value engineering technical evaluation studies, design of unspecified minor projects, and for development of standards and criteria for Army facilities.							
11. REQUIREMENT: NONE ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Planning and design funds.							
REQUIREMENT: Funds requested are required for the design and engineering of regular MCA, and Unspecified Minor including technical evaluation studies of value engineering and continued development of standard plans (conventional functional layouts). This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the US Army Corps of Engineer (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 1994 program, for advancement to final design (35-90 percent) of projects in FY 1995, for progression to concept design (0-35 percent) of projects in the FY 1996, and							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Planning and Design, Worldwide Various		
4. PROJECT TITLE Planning and Design		5. PROJECT NUMBER 37156
<p>REQUIREMENT: (CONTINUED)</p> <p>for initiation of preconcept design activities for projects in FY 1997. The estimate for this multi-dimensional design effort is developed through a formula that reflects the various stages of engineering development for a project. The estimate incorporates management changes over the past five years regarding a shift in the A-E versus in-house design mix, and adjusts to the growing differential in the relationship between increases in salaries for professional services versus project construction costs. The estimate does not predict additional design expenses due to any adverse effects from changes made to the MILCON program and as such it has extremely limited capability to incorporate additional design requirements even at the fully funded level. The Total Quality Management methodology is used by USACE in the design, value engineering process, and construction of facilities. The criteria and standards development and update program, as well as the value engineering program are the means by which USACE assures that quality is built-in from the beginning of projects. These programs help designers produce excellent products and utilizes a feedback process where the designers are participants in maintaining excellent criteria and standards. The funds request for the annual planning and design requirement includes the costs to update standards and criteria, guide specifications, technical manuals, and continue the DA Facility Standardization Program. These standards and criteria are the primary vehicles for introducing new technology, new operational requirements, design lessons learned and federal mandates into new Army facilities.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Planning and Design Planning and Design, Worldwide Various				4. PROJECT TITLE Host Nation Support			
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 000	7. PROJECT NUMBER 37214		8. PROJECT COST (\$000) Auth 25,000 Approp 25,000		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u> Host Nation/NATO Plan & Design				LS	--	--	25,000 (25,000)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							25,000
CONTINGENCY PERCENT (.000%)							
SUBTOTAL							25,000
SUPERVISION, INSPECTION & OVERHEAD (.000%)							
TOTAL REQUEST							25,000
TOTAL REQUEST (ROUNDED)							25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
<p>10. Description of Proposed Construction This item provides for criteria development, design surveillance, and construction surveillance for projects funded by NATO and foreign nations where US Forces are the sole or primary user as authorized by 10 USC 2807.</p> <p><u>REQUIREMENT:</u> This funding is required to represent US interests during the planning, design, and construction of projects funded by foreign governments, when US Forces are the sole or primary users. Project surveillance and oversight are performed on NATO construction in Europe, and host nation funded construction in Korea and Japan. The Host Nation Planning and Design funds are required to assure that the facilities provided conform to the Services' operational and mission needs, and to US life safety criteria. The Army is the executive agent for the Department of Defense for Host Nation Construction in the Pacific. The programs in Korea and Japan are forecast to increase yearly, and now provide nearly all of the US facilities in these countries. The Army Corps of Engineers is responsible for providing the criteria, reviewing designs and monitoring the construction. The planning and design costs are approximately three percent of the construction placement. The three parts of the planning and design effort are: Criteria Package Preparation - defines the functional requirements and specifies the health, fire, operational,</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Planning and Design, Worldwide Various		
4. PROJECT TITLE Host Nation Support	5. PROJECT NUMBER 37214	
<p><u>REQUIREMENT: (CONTINUED)</u></p> <p>functional and life safety needs; Design Surveillance - ensures compliance with criteria packages, efficient operation and maintenance, and life safety, fire protection, and environmental compliance; Construction Surveillance - ensures conformance to design documents, reviews submittals, monitors construction phasing for users, and protects against latent deficiencies. In FY 94, the construction program in the Pacific is estimated to be about \$1 billion. The NATO program, although greatly reduced by recent events, still remains in future year projections.</p>		

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
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ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 NEW CONSTRUCTION (PART IIA)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST
California		Fort Irwin (FORSCOM)		
	28059	Family Housing New Construction	25,000	25,000
		SUBTOTAL Fort Irwin PART IIA	\$ 25,000	25,000
		* TOTAL AFH FOR California	\$ 25,000	25,000
Hawaii		Schofield Barracks (USARPAC)		
	34872	Family Housing New Construction	13,000	13,000
	37122	Family Housing New Construction	39,000	39,000
		SUBTOTAL Schofield Barracks PART IIA	\$ 52,000	52,000
	* TOTAL AFH FOR Hawaii	\$ 52,000	52,000	
Maryland		Fort Meade (FORSCOM)		
	10127	Family Housing Replacement Construction	26,000	26,000
		SUBTOTAL Fort Meade PART IIA	\$ 26,000	26,000
	* TOTAL AFH FOR Maryland	\$ 26,000	26,000	
New York		United States Military Academy (USMA)		
	39483	Family Housing Replacement Construction	15,000	15,000
		SUBTOTAL United States Military Academy	\$ 15,000	15,000
	* TOTAL AFH FOR New York	\$ 15,000	15,000	
North Carolina		Fort Bragg (FORSCOM)		
	35561	Family Housing Replacement Construction	18,000	18,000
		SUBTOTAL Fort Bragg PART IIA	\$ 18,000	18,000
	* TOTAL AFH FOR North Carolina	\$ 18,000	18,000	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 NEW CONSTRUCTION (PART IIA)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST
Wisconsin		Fort McCoy (FORSCOM)		
	12382	Family Housing Replacement Construction	2,950	2,950
		SUBTOTAL Fort McCoy PART IIA	\$ 2,950	2,950
		* TOTAL AFH FOR Wisconsin	\$ 2,950	2,950
		** TOTAL INSIDE THE UNITED STATES FOR AFH	\$ 138,950	138,950
		MILITARY CONSTRUCTION (PART IIA) TOTAL	\$ 138,950	138,950

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 POST ACQUISITION (PART IIB)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION REQUEST	APPROPRIATION REQUEST
	PROJECT NUMBER	PROJECT TITLE		
Colorado		Fort Carson (FORSCOM)		
	38475	Family Housing Improvements	5,900	5,900
		SUBTOTAL Fort Carson PART IIB	\$ 5,900	5,900
		* TOTAL AFH FOR Colorado	\$ 5,900	5,900
Illinois		Savanna Army Depot (AMC)		
	28473	Family Housing Improvements	640	640
		SUBTOTAL Savanna Army Depot PART IIB	\$ 640	640
		* TOTAL AFH FOR Illinois	\$ 640	640
Kansas		Fort Leavenworth (TRADOC)		
	36580	Family Housing Improvements	20	20
		SUBTOTAL Fort Leavenworth PART IIB	\$ 20	20
		* TOTAL AFH FOR Kansas	\$ 20	20
Kentucky		Fort Campbell (FORSCOM)		
	17751	Family Housing Improvements	10,200	10,200
		SUBTOTAL Fort Campbell PART IIB	\$ 10,200	10,200
		* TOTAL AFH FOR Kentucky	\$ 10,200	10,200
Maryland		Aberdeen Proving Ground (AMC)		
	5062	Family Housing Improvements	4,000	4,000
	5063	Family Housing Improvements	1,800	1,800
	17649	Family Housing Improvements	110	110
	39370	Family Housing Improvements	460	460
		SUBTOTAL Aberdeen Proving Ground PART II	\$ 6,370	6,370
	* TOTAL AFH FOR Maryland	\$ 6,370	6,370	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 POST ACQUISITION (PART IIB)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST
New Mexico		White Sands Missile Range (AMC)		
	3943	Family Housing Improvements	3,300	3,300
		SUBTOTAL White Sands Missile Range PART	\$ 3,300	3,300
		* TOTAL AFH FOR New Mexico	\$ 3,300	3,300
New York		United States Military Academy (USMA)		
	17956	Family Housing Improvements	1,500	1,500
	31106	Family Housing Improvements	4,200	4,200
		SUBTOTAL United States Military Academy	\$ 5,700	5,700
	* TOTAL AFH FOR New York	\$ 5,700	5,700	
Oklahoma		Fort Sill (TRADOC)		
	16305	Family Housing Improvements	8,600	8,600
		SUBTOTAL Fort Sill PART IIB	\$ 8,600	8,600
	* TOTAL AFH FOR Oklahoma	\$ 8,600	8,600	
South Carolina		Fort Jackson (TRADOC)		
	40894	Family Housing Improvements	0	0
		SUBTOTAL Fort Jackson PART IIB	\$ 0	0
	* TOTAL AFH FOR South Carolina	\$ 0	0	
Virginia		Fort Lee (TRADOC)		
	17028	Family Housing Improvements	15,000	15,000
		SUBTOTAL Fort Lee PART IIB	\$ 15,000	15,000
		Fort Monroe (TRADOC)		
	25517	Family Housing Improvements	11,800	11,800

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 POST ACQUISITION (PART IIB)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION	APPROPRIATION
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST
	SUBTOTAL Fort Monroe PART IIB		\$ 11,800	11,800
	* TOTAL AFH FOR Virginia		\$ 26,800	26,800
	** TOTAL INSIDE THE UNITED STATES FOR AFH		\$ 67,530	67,530
	MILITARY CONSTRUCTION (PART IIB) TOTAL		\$ 67,530	67,530

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
SUMMARY

(\$ In Thousands)	
FY 1994 Program	1,343,886
FY 1993 Current Est	1,523,819

Purpose and Scope

This program provides for the support of the worldwide family housing function within the Department of the Army.

Program Summary

Construction

New Construction (Deficit Reduction)	\$ 56,000
New Construction (Replacement)	82,950
Post Acquisition Construction	67,530
Planning and Design	11,805
Subtotal Construction	\$218,285

Operations, Utilities, Maintenance, Leasing,
Debt Reduction, Interest, Insurance Premiums

Operations	\$ 187,157
Utilities	281,348
Maintenance	388,528
Leasing	268,139
Debt Reduction	412
Interest Payments	6
Servicemen's Mortgage Premiums	11

Subtotal O&M, L&D	1,125,601
Reimbursable Program	18,000

Subtotal O&M, L&D, Reimbursable	1,143,601
---------------------------------	-----------

Total Construction, O&M, L&D, Reimb	1,361,886
Less Reimbursable Program	18,000

Budget Authority	1,343,886
------------------	-----------

Appropriation:

Construction	218,285
O&M, L&D	1,125,601

Total Appropriation	1,343,886
---------------------	-----------

AUTHORIZATION AND
APPROPRIATION LANGUAGE
ARMY FAMILY HOUSING
FY 1994

For expenses of family housing for the Army for construction, including acquisition, replacement, addition, expansion, extension, and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction [\$160,122,000] \$218,285,000, for Operation and Maintenance, and Debt Payment [\$1,363,697,000] \$1,125,601,000 in all [\$1,523,819,000] \$1,343,886,000. Provided, that the amount for construction shall remain available until [September 30, 1997] September 30, 1998.

Family Housing Construction, Army
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-7020-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed)		
		1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
01.0101	Construction of new housing	92,493	56,582	138,950
01.0201	Post-acquisition Construction	74,980	92,600	67,530
01.0301	Planning and design	5,220	8,940	11,805
01.9101	Total direct program	172,693	160,122	218,285
10.0001	Total	172,693	160,122	218,285
Financing:				
17.0001	Recovery of prior year obligations			
	Unobligated balance available, start of year:			
21.4002	For completion of prior year budget plans			
21.4009	Reprogramming from/to prior year budget plans	-7,988		
22.0001	Unobligated balance transferred to other accounts	-3,654		
	Unobligated balance available, end of year:			
24.4002	For completion of prior year budget plans	4,269		
25.0001	Unobligated balance expiring			
39.0001	Budget authority	165,320	160,122	218,285
Budget authority:				
40.0001	Appropriation	167,220	160,122	218,285
41.0001	Transferred to other accounts (-)	-1,900		
43.0001	Appropriation (adjusted)	165,320	160,122	218,285
Relation of obligations to outlays:				
71.0001	Obligations incurred			
72.4001	Obligated balance, start of year			
74.4001	Obligated balance, end of year			
77.0001	Adjustments in expired accounts (net)			
78.0001	Adjustments in unexpired accounts			
90.0001	Outlays (net)			

Family Housing Construction, Army
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-7020-0-1-051	Obligations		
		1992 actual	1992 est.	1994 est.
Program by activities:				
Direct program:				
01.0101	Construction of new housing	45,460	99,371	122,751
01.0201	Post-Acquisition Construction	24,894	143,529	88,098
01.0301	Planning and design	6,190	13,539	12,005
01.9101	Total direct program	78,344	256,539	181,454
10.0001	Total	78,344	256,538	181,454
Financing:				
17.0001	Recovery of prior year obligations	-920		
	Unobligated balance available, start of year:			
21.4002	For completion of prior year budget plans	-124,288	-215,570	-116,153
21.4009	Reprogramming from/prior year budget plans	-3,654		
22.0001	Unobligated balance transferred to other accounts			
	Unobligated balance available, end of year:			
24.4002	For completion of prior year budget plans	211,570	115,153	141,984
25.0001	Unobligated balance expiring	4,283		
39.0001	Budget authority	165,320	160,122	218,285
Budget authority:				
40.0001	Appropriation:	167,220	160,122	218,285
41.0001	Transferred to other accounts (-)	-1,900		
43.0001	Appropriation (adjusted)	165,320	160,122	218,285
Relation of obligations to outlays:				
71.0001	Obligations incurred	78,344	256,539	181,454
72.0001	Obligated balance, start of year	89,306	78,907	236,214
74.0001	Obligated balance, end of year	-76,507	-236,214	-247,052
77.0001	Adjustments in expired accounts (net)	-85		
78.0001	Adjustments in unexpired accounts	-920		
90.0001	Outlays (net)	90,128	96,833	180,616

Family Housing Construction, Army
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-7020-0-1-001	1992 actual	1993 est.	1994 est.
Direct obligations:				
121.001	Travel and transportation of persons	622	623	809
122.001	Transportation of things	74	73	81
123.001	Communications, utilities, and miscellaneous charges	38	42	54
124.001	Printing and reproduction	4	31	40
125.201	Other services:			
	payments to foreign national indirect hire personnel	787	519	701
125.203	Contracts	42,110	107,142	109,084
126.001	Supplies and materials	75	104	134
132.001	Land and structures	34,634	148,005	80,531
199.001	Total Direct obligations	78,344	256,539	191,454
999.901	Total obligations	78,344	256,539	191,454

Family Housing Operations & Debt, Army
Program and Financing (in Thousands of dollars)

Identification code	21-7025-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
02.0101	Operating expenses	544,593	521,263	468,505
02.0201	Leasing	392,542	356,241	268,139
02.0301	Maintenance of real property	448,653	484,016	388,578
02.0401	Interest payments	49	50	17
02.9101	Total direct program	1,385,837	1,363,570	1,125,189
03.0101	Reimbursable program	13,434	16,000	18,000
10.0001	Total obligations	1,399,271	1,379,570	1,143,189
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-2,397	-5,400	-5,180
13.0001	Trust funds(-)		-20	-20
14.0001	Non-Federal sources(-)	-11,037	-10,580	-12,800
22.0001	Unobligated balance transferred from other accounts (-)	-44,396		
25.0001	Unobligated balance expiring	19,084		
39.0001	Budget authority	1,360,502	1,363,570	1,125,189
Budget authority:				
40.0001	Appropriation	1,390,025	1,363,697	1,125,601
40.4701	Portion applied to debt reduction (-)	-125	-127	-412
41.0001	Transferred to other accounts (-)	-29,398		
43.0001	Appropriation (adjusted)	1,360,502	1,363,570	1,125,189
Relation of obligations to outlays:				
71.0001	Obligations incurred	1,385,837	1,363,570	1,125,189
72.4001	Obligated balance, start of year	448,605	355,508	375,216
74.4001	Obligated balance, end of year	-355,508	-375,216	-341,267
77.0001	Adjustments in expired accounts (net)	-19,142		
80.0001	Outlays (net)	1,459,792	1,343,662	1,159,138

Family Housing Operations & Debt, Army
Object Classification (in Thousands of dollars)

Identification code	21-7025-0-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.101	Full-time permanent	25,566	24,950	28,353
111.301	Other than full-time permanent	6,895	5,181	5,165
111.501	Other personnel compensation	2,012	1,591	2,060
111.901	Total personnel compensation	34,473	31,722	35,578
112.101	Personnel Benefits: Civilian personnel	8,565	7,516	8,980
113.001	Benefits for former personnel	76	96	191
121.001	Travel and transportation of persons	1,513	1,705	1,482
122.001	Transportation of things	14,784	10,350	9,469
123.201	Rental payments to others	358,783	377,899	275,318
123.301	Communications, utilities, and miscellaneous charges	317,220	326,684	297,046
124.001	Printing and reproduction	105	125	110
Other services:				
125.201	Payments to foreign national indirect hire personnel	36,314	34,864	35,633
125.203	Contracts	430,206	428,207	375,285
125.204	Other	156,594	122,583	62,549
126.001	Supplies and materials	13,403	12,730	16,441
131.001	Equipment	13,762	9,045	8,876
143.001	Interest and dividends	49	44	17
199.001	Total Direct obligations	1,385,837	1,369,570	1,125,189
Reimbursable obligations:				
223.201	Rental payments to others		4,540	5,540
Other services:				
225.203	Contracts	3,791	5,960	5,960
225.204	Other	4,937	4,500	5,500
231.001	Equipment	764	1,000	1,000
299.001	Total Reimbursable obligations	13,434	16,000	16,000
999.901	Total obligations	1,399,271	1,379,570	1,143,189

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
NEW CONSTRUCTION

<u>(\$ In Thousands)</u>	
FY 1994 Program	138,950
FY 1993 Current Est	58,582

Purpose and Scope

This program provides family housing at those installations where the local economy cannot provide adequate support and where additional housing is required to help satisfy a validated housing deficit. The program also provides for replacement of housing where it has been determined more economical to replace than to renovate. Included are site preparation, construction, and initial outfitting with fixtures and integral equipment of new family housing units, along with associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community facilities.

Program Summary

Authorization is requested in FY 94 for:

1. Construction of 1,183 units of family housing.
2. Appropriation in the amount of \$138,950,000 to completely fund this construction.

A summary of the new construction funding program for FY 94 follows:

	<u>Requested</u>	
	<u>Number of</u>	<u>Amount</u>
	<u>Units</u>	<u>(\$000)</u>
Deficit Reduction:		
Fort Irwin, CA	220	\$25,000
Schofield Barracks, HI	88	13,000
Schofield Barracks, HI	260	39,000
(deficit reduction AND replacement--for each unit demolished, approx two units will be constructed)		
Replacement:		
Fort Meade, MD	275	26,000
U.S. Military Academy, NY	100	15,000
Fort Bragg, NC	224	18,000
Fort McCoy, WI	16	2,950
Total	1,183	138,950

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Irwin California			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.30	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		648	3684	688	0	0	0
B. END FY 1999		661	4168	872	0	0	0
					13	25	1862
							7,601
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		636,182 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		940,189					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		25,000					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		12,600					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		0					
H. GRAND TOTAL.....		977,789					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START COMPLETE		
711	28059	Family Housing New Construction		25,000	TURNKEY		
				TOTAL	25,000		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
711	Family Housing Improvements		12,600				
				TOTAL	12,600		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The mission of the National Training Center (NTC), Fort Irwin is to provide: 1) Tough, realistic combined arms field training at battalion task force level using live fire exercises and opposing forces in realistic scenarios; 2) A data source for training, doctrine and systems improvement; 3) Support for assigned, attached, tenant, and training units, and community support for dependents, authorized civilians, and retirees.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: Fort Irwin

California

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	1,022
B. WATER POLLUTION	4,028
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Irwin, California			4. PROJECT TITLE Family Housing New Construction		
5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 28059	8. PROJECT COST (\$000) Auth 25,000 Approp 25,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					17,244
Family Housing New Construction		SF	248,300	66.80	(16,586)
Passive Solar		FA	220	2,600	(572)
Building Information Systems		LS	--	--	(86)
SUPPORTING FACILITIES					5,000
Electric Service		LS	--	--	(472)
Water, Sewer, Gas		LS	--	--	(919)
Paving, Walks, Curbs And Gutters		LS	--	--	(1,850)
Storm Drainage		LS	--	--	(264)
Site Imp(1,495) Demo()		LS	--	--	(1,495)
ESTIMATED CONTRACT COST					22,244
CONTINGENCY PERCENT (5.00%)					<u>1,112</u>
SUBTOTAL					23,356
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					<u>1,401</u>
TOTAL REQUEST					24,757
TOTAL REQUEST (ROUNDED)					25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Construct 220 two, three, and four bedroom junior and senior noncommissioned officer family dwelling units with garages. Construction will consist of variously configured mixed story units and/or single buildings. Dwelling units will be factory-built/manufactured houses and/or built on site with conventional type construction. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Heating and air conditioning will be provided. Site work includes grading, paving, walks, recreation facilities, desert landscaping, drainage, street lighting, and all utilities. Support facilities include water (with separate line for treated drinking water), sewer, gas and underground electrical distribution. Telephone and cable TV will be provided by the local telephone and cable TV companies. Passive solar and ground source heat pump energy conservation measures will be utilized where shown to be cost effective. Project provides range, refrigerator, washer and dryer connections, dishwasher, garbage disposal, hot water heater, hard wired and interconnected smoke detectors and interior telephone and TV outlets. At least five percent of the quarters will be constructed such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped.					

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Irwin, California						
4. PROJECT TITLE Family Housing New Construction				5. PROJECT NUMBER 28059		
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	COST/ NET SF	NO. UNITS	COST (\$000)
SNCO	4	1450	1.26	53.00	20	1,937
SNCO	3	1350	1.26	53.00	50	4,509
JRNCO	2	950	1.26	53.00	120	7,614
JRNCO	3	1200	1.26	53.00	18	1,443
JRNCO	4	1350	1.26	53.00	12	1,083
					220	16,586
<p>PROJECT: Construct 220 junior and senior noncommissioned officer family housing dwelling units and support facilities. (Current Mission)</p> <p>REQUIREMENT: This project is required to provide permanent adequate on-post family housing facilities for military personnel and their families.</p> <p>CURRENT SITUATION: There are currently 1,636 family housing units and 78 trailer sites on Fort Irwin. The waiting time for on-post family housing averages 7 months. The lack of on-post housing has forced personnel to live in the only populated area available, Barstow, California. The housing at Barstow is not considered suitable due to the average commuting distance of 42 miles one way and almost one hour travel time. Because of the type of extensive training conducted at the National Training Center, soldiers frequently train around the clock for several days. This causes excessive fatigue, exposing soldiers to driving hazards not normally encountered at other installations. Many soldiers who live off post utilize good judgement and elect not to go home during training breaks because of their fatigue. This limits the quality and quantity of time spent with the spouse and children causing psychological strain which adversely impacts the quality of Army life.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, newly restationed military personnel at Fort Irwin and their families will not have suitable housing available to them. The lack of suitable housing adversely impacts the quality of life of our soldiers and jeopardizes their effectiveness in carrying out their training mission.</p> <p>ADDITIONAL: The Army Audit Agency has validated a housing deficit of more than 400 family quarters. New construction is the only alternative to reduce this deficit. This project has been coordinated with the Center's physical security plan, and no security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the local Department of Education indicated no additional facility requirements.</p>						

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION							
5. DATA AS OF		a. NAME Fort Irwin AD6225				b. LOCATION Fort Irwin CA 92310-5000			
ANALYSIS OF REQUIREMENTS AND ASSETS	OFFICER (M)	CURRENT			TOTAL (M)	PROJECTED			TOTAL (M)
		E8 - E4 (B)	E3 - E1 (C)			E8 - E4 (B)	E3 - E1 (C)		
6. TOTAL PERSONNEL STRENGTH	657	2,960	736	4,353	674	3,360	833	4,867	
7. PERMANENT PARTY PERSONNEL	657	2,960	736	4,353	674	3,360	833	4,867	
8. GROSS FAMILY HOUSING REQUIREMENTS	433	1,825	140	2,398	426	2,028	155	2,609	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	76	416	130	622					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLY HOUSED - IN COMMUNITY	76	416	130	622					
10. VOLUNTARY SEPARATIONS	1	25	4	30	1	28	4	33	
11. EFFECTIVE HOUSING REQUIREMENTS	432	1,800	136	2,368	425	2,000	151	2,576	
12. HOUSING ASSETS (a + b)	361	1,450	6	1,817	425	1,572	151	2,148	
a. UNDER MILITARY CONTROL	306	1,330	0	1,636	370	1,452	145	1,967	
(1) Housed in Existing DOD Owned/Controlled	301	1,264	0	1,565	306	1,209	121	1,636	
(2) Under Contract / Approved					64	243	24	331	
(3) Vacant	5	40	0	45					
(4) Inactive	0	28	0	28					
b. PRIVATE HOUSING	55	120	6	181	55	120	6	181	
(1) Acceptably Housed	55	120	6	181					
(2) Acceptable Vacant Planned	0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT	71	350	130	551	0	428	0	428	
14. PROPOSED PROJECT					0	220	0	220	
15. REMARKS (Specify item number)									
Line 12. The nearest community housing is 40 to 70 miles away from Fort Irwin. This is beyond the established standards for commuting.									
Line 14. The proposed project will construct 220 two, three and four bedroom dwelling units for junior and senior NCOs and increase the installation's inventory to 1,856 units. Army Audit Agency has validated a housing deficit of more than 400 family units.									
Senior NCO 4 Bedroom 20 Units									
Senior NCO 3 Bedroom 50 Units									
Junior NCO 4 Bedroom 12 Units									
Junior NCO 3 Bedroom 18 Units									
Junior NCO 2 Bedroom 120 Units									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii		4. COMMAND US Army Pacific				5. AREA CONSTRUCTION COST INDEX 1.42	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	7753	51809	812	21	115	0	0
B. END FY 1999	7474	50886	819	24	75	0	0
						0	538
						0	538
							61,048
							59,816
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 14,089 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 314,889							
C. AUTHORIZATION NOT YET IN INVENTORY..... 0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 52,000							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 76,000							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0							
G. REMAINING DEFICIENCY..... 0							
H. GRAND TOTAL..... 440,889							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
711	34872	Family Housing New Construction		13,000	TURNKEY		
711	37122	Family Housing New Construction		39,000	TURNKEY		
TOTAL				52,000			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
711	Family Housing New Construction		27,000				
711	Family Housing New Construction		49,000				
TOTAL				76,000			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The primary mission of Schofield Barracks is to sustain the readiness status of the 25th Inf Div. Schofield Barracks provides administration, housing, and training facilities for troops as a peacetime division station headquarters for the 25th Inf Div. Schofield Barracks is one of the primary family housing sites in Hawaii operated by the Oahu Consolidated Family Housing Office (OCFHO). As such, the total family housing requirement, based on the population served, must be considered rather than only that of</p>							

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
ARMY						APRIL 1993		
3. INSTALLATION AND LOCATION				4. PROJECT TITLE				
Schofield Barracks, Hawaii				Family Housing New Construction				
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)		
88741A		711		34872		Auth 13,000 Approp 13,000		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								
Family Housing Units (88)					SF	89,850	101.50	9,157
Building Information Systems					LS	--	--	(9,120)
								(37)
SUPPORTING FACILITIES								
Electric Service					LS	--	--	2,552
Water, Sewer, & Gas					LS	--	--	(1,064)
Paving, Walks, Curbs & Gutters					LS	--	--	(392)
Storm Drainage					LS	--	--	(497)
Site Imp(324) Demo()					LS	--	--	(200)
Information Systems					LS	--	--	(324)
								(75)
ESTIMATED CONTRACT COST								11,709
CONTINGENCY PERCENT (5.00%)								585
SUBTOTAL								12,294
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								799
TOTAL REQUEST								13,093
TOTAL REQUEST (ROUNDED)								13,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction								
Construct 88 two and three bedroom family housing units for junior enlisted personnel at Schofield Barracks. Construction will consist of variously configured units/apartments at up to 18 units per acre with off street/under structure parking, and will utilize turnkey design/construction procurement procedures. Dwellings will be factory built/manufactured and/or built on site with conventional type construction. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Site work includes grading, paving, walks, recreation facilities, landscaping, drainage, street lighting and all utilities. Project will provide range, refrigerator, washer, dryer, dishwasher, garbage disposal, hot water heater and hard wired, interconnected smoke detectors. At least five percent of the quarters will be constructed such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped. Central air conditioning will be installed where required due to lack of natural ventilation and/or high noise levels.								

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION							
Schofield Barracks, Hawaii							
4. PROJECT TITLE					5. PROJECT NUMBER		
Family Housing New Construction					34872		
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>							
GRADE	BED RMS	NET AREA	PROJECT FACTOR	\$/NSF	NO. OF UNITS	TOTAL (\$000)	
JRENL	2	950	1.45	\$70.00*	63	\$6,075	
JRENL	3	1200	1.45	\$70.00*	25	\$3,045	
					88	\$ 9,120	
* Includes \$15.00/NSF for vehicle parking under the structure.							
<u>PROJECT:</u> Construct 88 two and three bedroom units/apartments at Schofield Barracks for junior enlisted personnel. (Current Mission)							
<u>REQUIREMENT:</u> This project is required to reduce the existing housing shortage in the central Oahu area. Of the current island-wide long range deficit of 5088 units, more than 1800 housing units are required in central Oahu to support the 25th Infantry Division (Light) and other tenant or associate activities. Most of the deficit occurs in the junior enlisted grades. The addition of lower grade enlisted personnel has increased waiting times up to two years. This coupled with their low housing allowance subsistences, which are inadequate when competing for rentals in the local sector, impact families' quality of life and the service members' ability to perform their missions.							
<u>CURRENT SITUATION:</u> The Oahu rental market is tight and costly. The 0.5 to 1.5 percent housing vacancy rate on Oahu is one of the lowest for any urban area in the nation. Honolulu's rental rate is the highest in the nation based on rates published by the Honolulu Star Bulletin in July 1992. The average monthly rental for a one bedroom rental unit is \$1015. Service members must pay 25 to 50 percent more than their housing allowance for their rent. At present there are 6006 existing units in Central Oahu at Schofield Barracks, Wheeler Army Air Field, Camp Stover, Helemano, and NCTAMS EASTPAC. Projects being implemented and programmed in FY 92 and FY 93 will reduce the 1800 unit deficit by approximately 560 units. Due to the limited availability of land, construction at higher than normal density per acre, including underground or basement level parking is being pursued. Sewage disposal can be accommodated at the Army owned treatment plant at Wheeler Army Airfield. A project to expand the treatment plant capacity to accommodate the units in this project is being programmed separately.							
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the severe Oahu family housing shortages for all service members will continue. Service members and their families will continue to depend on the private sector to meet their housing needs. They will continue to compete with the local economy for scarce affordable rentals. Many families will be forced to live in low-quality housing, and their quality of life will be reduced. The poor quality of life for service members and their families will have an adverse affect on morale and combat readiness.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 34872	
<p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the local Department of Education is being conducted to determine if additional school facilities are required.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii			4. PROJECT TITLE Family Housing New Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 37122	8. PROJECT COST (\$000) Auth 39,000 Approp 39,000			
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							26,668
Construct Housing Units (260)				SF	267,000	99.40	(26,540)
Building Information Systems				LS	--	--	(128)
SUPPORTING FACILITIES							8,401
Electric Service				LS	--	--	(1,726)
Water, Sewer, Gas				LS	--	--	(969)
Paving, Walks, Curbs And Gutters				LS	--	--	(1,526)
Storm Drainage				LS	--	--	(861)
Site Imp(991) Demo(2,052)				LS	--	--	(3,043)
Information Systems				LS	--	--	(276)
ESTIMATED CONTRACT COST							35,069
CONTINGENCY PERCENT (5.00%)							1,753
SUBTOTAL							36,822
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							2,393
TOTAL REQUEST							39,215
TOTAL REQUEST (ROUNDED)							39,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Construct 260 two and three bedroom junior noncommissioned officer family quarters and demolish 135 units which are uneconomical to revitalize (145,370 SF) at Schofield Barracks. Construction will consist of variously configured units/apartments at approximately 14 units per acre with off street/under structure parking, and will utilize turnkey design/construction procurement procedures. Dwelling units will be factory built houses or conventionally site built houses. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Supporting facilities include underground utilities, street lights, underground information systems, paving, walks, curbs and gutters, storm drainage, tot lots and landscaping. Project will provide kitchen range, refrigerator, washer, dryer, garbage disposal, hot water heater, dishwasher and hard wired, interconnected smoke detectors. At least five percent of the dwelling units will be accessible and easily modifiable to accommodate the requirements of the handicapped. Central air conditioning will be installed where required due to lack of natural ventilation and/or high noise levels. Demolition will require disposal of asbestos and lead base paint material.							

1. COMPONENT		2. DATE				
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA				
3. INSTALLATION AND LOCATION		APRIL 1993				
Schofield Barracks, Hawaii						
4. PROJECT TITLE			5. PROJECT NUMBER			
Family Housing New Construction			37122			
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
Grade	No of Bedrooms	Net Area	Project Factor	\$/NSF	No of Units	Total Cost (\$000)
JNCO	2	950	1.42	70.00*	180	16,998
JNCO	3	1,200	1.42	70.00*	80	9,542
					260	26,540
* Includes \$15.00/NSF for underground/basement parking						
PROJECT: Construct 260 two and three bedroom junior noncommissioned officer family quarters and demolish 135 units at Schofield Barracks. (Current Mission)						
REQUIREMENT: This project is required to replace existing family housing units that are uneconomical to revitalize and to reduce the housing shortage in the central Oahu area by increasing the density of units per acre.						
CURRENT SITUATION: The existing units do not meet acceptable standards of size, comfort and habitability. Constructed in 1964, the units are worn, deteriorated and contain asbestos and lead base paint. The living, dining, kitchen, bedrooms and bathroom areas require extensive repair and redesign. An additional bathroom is required and the electrical system needs to be upgraded. The incandescent lighting is poor and not energy efficient. The kitchen and bathroom fixtures and facilities are deteriorated and require replacement. Presently, the site has limited available parking spaces and carpools. On-street parking is overcrowded making most streets accessible to one-way traffic only. The sewer lines are old and deteriorated, requiring replacement. In addition, the Oahu rental market is tight and costly, with one of the lowest vacancy rates in the nation. The resulting housing deficit, combined with the limited availability of land, requires construction of housing at higher than normal density per acre, including use of underground or basement level parking.						
IMPACT IF NOT PROVIDED: If this project is not provided, energy and maintenance costs will increase, inadequate quarters will remain in use, efforts to reduce the existing housing deficit will be hindered, and the health, safety and quality of life of the occupants will be adversely affected.						
ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. An economic analysis comparing replacement construction with other alternatives indicates the cost effectiveness of this project. On the basis of net present value, as						

1. COMPONENT <u>ARMY</u>	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 37122	
<p>ADDITIONAL: (CONTINUED)</p> <p>calculated over the life of the project, replacement, permitting construction of additional housing at higher density per acre, was found to be the most cost effective alternative. Coordination with the local Department of Education is being conducted to determine if additional school facilities are required.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION				5. LOCATION			
5. DATA AS OF		a. NAME Consolidated Housing Office A15635			b. LOCATION Honolulu, Hawaii HI 96858-5000 USA				
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (N)	E9 - E4 (B)	E3 - E1 (M)	TOTAL (T)	OFFICER (N)	E9 - E4 (B)	E3 - E1 (M)	TOTAL (T)	
6. TOTAL PERSONNEL STRENGTH	7,774	38,785	13,138	59,698	7,498	38,212	12,749	58,459	
7. PERMANENT PARTY PERSONNEL	7,753	38,674	13,135	59,562	7,482	38,139	12,747	58,368	
8. GROSS FAMILY HOUSING REQUIREMENTS	4,902	23,696	2,117	30,715	4,707	23,670	2,095	30,472	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	211	5,326	1,122	6,659					
a. INVOLUNTARILY SEPARATED	17	207	101	325					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	1	5	3	9					
c. UNACCEPTABLY HOUSED - IN COMMUNITY	193	5,114	1,018	6,325					
10. VOLUNTARY SEPARATIONS	70	331	213	614	70	331	213	614	
11. EFFECTIVE HOUSING REQUIREMENTS	4,832	23,365	1,904	30,101	4,637	23,339	1,882	29,858	
12. HOUSING ASSETS (a + b)	6,514	18,670	816	26,000	4,306	20,513	1,482	26,301	
a. UNDER MILITARY CONTROL	3,489	15,932	399	19,820	1,281	17,775	1,065	20,121	
(1) Housed in Existing DOD Owned/Controlled	3,391	15,296	365	19,052	1,281	17,484	1,065	19,830	
(2) Under Contract / Approved					0	291	0	291	
(3) Vacant	90	470	12	572					
(4) Inactive	8	166	22	196					
b. PRIVATE HOUSING	3,025	2,738	417	6,180	3,025	2,738	417	6,180	
(1) Acceptability Housed	3,025	2,738	417	6,180					
(2) Acceptable Vacant Rental	0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT	(1,682)	4,695	1,088	4,101	331	2,826	400	3,557	
14. PROPOSED PROJECT					0	260	88	348	
15. REMARKS (Specify item number)	#13. The Army recognized a deficit range in Hawaii due to mission requirements				23	4,652	413	5,088	

Line 14. There are two proposed projects. The first project will construct 88 units at Schofield Barracks consisting of two and three bedroom units in three story apartments for junior enlisted. The second project will demolish 135 units and construct 260 units consisting of two and three bedroom units in three story apartments for junior NCOs. There is a current deficit of 5,088 units, with more than 1,800 units required to support the 25th Infantry Division (Light). Projects being implemented and programmed for FY 92 and FY 93 will reduce the 1,800 unit deficit by approximately 560 units.

Junior Enlisted	2 Bedroom	63 Units	Junior NCO	2 Bedroom	180 Units
Junior Enlisted	3 Bedroom	25 Units	Junior NCO	3 Bedroom	80 Units

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM						2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Meade Maryland			4. COMMAND US Army Forces Command				5. AREA CONSTRUCTION COST INDEX 1.05			
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS			SUPPORTED			
OFFICER ENLIST CIVIL OFFICER ENLIST CIVIL OFFICER ENLIST CIVIL TOTAL										
A. AS OF 30 SEP 1992	798	1395	3568	2	33	0	1011	3976	22222	33,005
B. END FY 1999	1093	1939	2497	111	217	150	837	3773	22103	32,720
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE.....	13,437 AC									
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,027,131									
C. AUTHORIZATION NOT YET IN INVENTORY.....	0									
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	26,000									
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0									
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0									
G. REMAINING DEFICIENCY.....	0									
H. GRAND TOTAL.....	1,053,131									
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:										
CATEGORY PROJECT						COST	DESIGN STATUS			
CODE	NUMBER	PROJECT TITLE				(\$000)	START COMPLETE			
711	10127	Family Housing Replacement Construction				26,000	TURNKEY			
TOTAL						26,000				
9. FUTURE PROJECTS:										
CATEGORY						COST				
CODE	PROJECT TITLE				(\$000)					
A. INCLUDED IN THE FY 1995 PROGRAM: NONE										
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE										
10. MISSION OR MAJOR FUNCTIONS:										
<p>Logistically support and train post troop units; support Headquarters First United States Army, National Security Agency, and Intelligence Agency, provide First United States Army Field Maintenance; train reserve components; National Guard, and provide ROTC summer training facilities.</p> <p>To provide Army family housing. The Army military housing community in Washington, DC consists of seven major duty sites within the metropolitan area, with strengths as shown below. Army family housing is located at five of these sites with the preponderance being at Forts Belvoir and Meade. The housing assignment policy for this area allows soldiers with family members the option to live at the location of their choice regardless of where they work.</p>										

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993																																																																																																																																																																						
INSTALLATION AND LOCATION: Fort Meade Maryland																																																																																																																																																																											
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>Military population for FY 1992 (including supported personnel):</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Permanent</th> <th colspan="2">Student</th> <th colspan="2">Total Military</th> <th rowspan="2">Total</th> </tr> <tr> <th>Officer</th> <th>Enlisted</th> <th>Officer</th> <th>Enlisted</th> <th>Officer</th> <th>Enlisted</th> </tr> </thead> <tbody> <tr> <td>Cameron Station</td> <td>159</td> <td>145</td> <td>0</td> <td>0</td> <td>159</td> <td>145</td> <td>304</td> </tr> <tr> <td>Fort Belvoir</td> <td>1,069</td> <td>2,392</td> <td>458</td> <td>1,216</td> <td>1,527</td> <td>3,608</td> <td>5,135</td> </tr> <tr> <td>Fort McNair</td> <td>482</td> <td>774</td> <td>77</td> <td>1</td> <td>559</td> <td>775</td> <td>1,334</td> </tr> <tr> <td>Fort Myer</td> <td>92</td> <td>2,308</td> <td>0</td> <td>0</td> <td>92</td> <td>2,308</td> <td>2,400</td> </tr> <tr> <td>Pentagon</td> <td>3,937</td> <td>2,096</td> <td>0</td> <td>0</td> <td>3,937</td> <td>2,096</td> <td>6,033</td> </tr> <tr> <td>Fort Meade</td> <td>1,810</td> <td>5,381</td> <td>2</td> <td>22</td> <td>1,812</td> <td>5,403</td> <td>7,215</td> </tr> <tr> <td>Walter Reed AMC</td> <td>1,227</td> <td>1,593</td> <td>3</td> <td>49</td> <td>1,230</td> <td>1,642</td> <td>2,872</td> </tr> <tr> <td>Total Military</td> <td>8,776</td> <td>14,689</td> <td>540</td> <td>1,288</td> <td>9,316</td> <td>15,977</td> <td>25,293</td> </tr> </tbody> </table> <p>Military population for FY 1999 (including supported personnel):</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Permanent</th> <th colspan="2">Student</th> <th colspan="2">Total Military</th> <th rowspan="2">Total</th> </tr> <tr> <th>Officer</th> <th>Enlisted</th> <th>Officer</th> <th>Enlisted</th> <th>Officer</th> <th>Enlisted</th> </tr> </thead> <tbody> <tr> <td>Cameron Station</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Fort Belvoir</td> <td>1,305</td> <td>2,767</td> <td>358</td> <td>1,049</td> <td>1,663</td> <td>3,816</td> <td>5,479</td> </tr> <tr> <td>Fort McNair</td> <td>458</td> <td>747</td> <td>67</td> <td>0</td> <td>525</td> <td>747</td> <td>1,272</td> </tr> <tr> <td>Fort Myer</td> <td>92</td> <td>2,319</td> <td>0</td> <td>0</td> <td>92</td> <td>2,319</td> <td>2,411</td> </tr> <tr> <td>Pentagon</td> <td>3,275</td> <td>2,756</td> <td>0</td> <td>0</td> <td>3,275</td> <td>2,756</td> <td>6,031</td> </tr> <tr> <td>Fort Meade</td> <td>1,930</td> <td>5,712</td> <td>111</td> <td>217</td> <td>2,041</td> <td>5,929</td> <td>7,970</td> </tr> <tr> <td>Walter Reed AMC</td> <td>1,304</td> <td>1,492</td> <td>3</td> <td>28</td> <td>1,307</td> <td>1,520</td> <td>2,827</td> </tr> <tr> <td>Total Military</td> <td>8,364</td> <td>15,793</td> <td>539</td> <td>1,294</td> <td>8,903</td> <td>17,087</td> <td>25,990</td> </tr> </tbody> </table> <p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table border="1"> <thead> <tr> <th></th> <th>(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td>2,957</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td>4,619</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td>0</td> </tr> </tbody> </table>									Permanent		Student		Total Military		Total	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Cameron Station	159	145	0	0	159	145	304	Fort Belvoir	1,069	2,392	458	1,216	1,527	3,608	5,135	Fort McNair	482	774	77	1	559	775	1,334	Fort Myer	92	2,308	0	0	92	2,308	2,400	Pentagon	3,937	2,096	0	0	3,937	2,096	6,033	Fort Meade	1,810	5,381	2	22	1,812	5,403	7,215	Walter Reed AMC	1,227	1,593	3	49	1,230	1,642	2,872	Total Military	8,776	14,689	540	1,288	9,316	15,977	25,293		Permanent		Student		Total Military		Total	Officer	Enlisted	Officer	Enlisted	Officer	Enlisted	Cameron Station	0	0	0	0	0	0	0	Fort Belvoir	1,305	2,767	358	1,049	1,663	3,816	5,479	Fort McNair	458	747	67	0	525	747	1,272	Fort Myer	92	2,319	0	0	92	2,319	2,411	Pentagon	3,275	2,756	0	0	3,275	2,756	6,031	Fort Meade	1,930	5,712	111	217	2,041	5,929	7,970	Walter Reed AMC	1,304	1,492	3	28	1,307	1,520	2,827	Total Military	8,364	15,793	539	1,294	8,903	17,087	25,990		(\$000)	A. AIR POLLUTION	2,957	B. WATER POLLUTION	4,619	C. OCCUPATIONAL SAFETY AND HEALTH	0
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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Meade, Maryland				4. PROJECT TITLE Family Housing Replacement Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 10127		8. PROJECT COST (\$000) Auth 26,000 Approp 26,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								16,861
Replace 251 Units					SF	286,800	54.06	(15,504)
Revitalize duplex units					EA	24	52,900	(1,270)
Building Information Systems					LS	--	--	(87)
<u>SUPPORTING FACILITIES</u>								6,906
Electric Service					LS	--	--	(728)
Water, Sewer, Gas					LS	--	--	(540)
Paving, Walks, Curbs And Gutters					LS	--	--	(925)
Storm Drainage					LS	--	--	(483)
Site Imp(1,032) Demo(3,005)					LS	--	--	(4,037)
Information Systems					LS	--	--	(193)
ESTIMATED CONTRACT COST								23,767
CONTINGENCY PERCENT (5.00%)								1,188
SUBTOTAL								24,955
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,497
TOTAL REQUEST								26,452
TOTAL REQUEST (ROUNDED)								26,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 275 junior enlisted substandard family quarters built in 1950 by replacing 317 multiplex quarters with 251 units and revitalizing 24 duplex units. The multiplex units are uneconomical to revitalize; however the 24 duplex units, by converting from 3 bedroom to 2 bedroom units, can be economically revitalized. Scope of work includes demolition of 317 substandard quarters, extension/modification of community support facilities and street and utility infrastructure and expansion of the housing area. Replacement dwelling units will be factory built or manufactured houses and/or conventionally on-site constructed houses. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Project will provide kitchen range, dishwasher, refrigerator, garbage disposal, hot water heater, hard wired interconnected smoke detectors and information (telephone and cable TV) systems. Five percent of the quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.								
		Net	Project	Unit	No.	(\$000)		
Grade	Bedrooms	Area	Factor	Cost	Units	Total		
JRENL	2	950	1.02	53.00	72	3,698		

1. COMPONENT		2. DATE				
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA				
3. INSTALLATION AND LOCATION		APRIL 1993				
Fort Meade, Maryland						
4. PROJECT TITLE				5. PROJECT NUMBER		
Family Housing Replacement Construction				10127		
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
JRENL	3	1200	1.02	53.00	155	10,055
JRENL	4	1350	1.02	53.00	24	1,751
TOTAL				251	15,504	
<p>Revitalization of the 24 duplex units includes redesigning living areas, kitchens, bathrooms, closets, mechanical rooms and interior storage within existing space. Replace flooring and underlayment, doors, windows, stairways, heating system with air conditioning, electric and plumbing systems, exterior steps, and complete painting. Asbestos and lead paint removal and abatement is required. Install new hot water heaters, dishwashers, garbage disposals, hard wired interconnected smoke detectors, wall and attic insulation and architectural window shutters. Support facility work includes site preparation, utilities with master meters, cable TV and telephone distribution, roads, walks, parking, tot lots, recreation center, athletic facilities, perimeter security fencing and landscaping. All units will include patios, carports with bulk storage, privacy screens and refuse container enclosures.</p>						
<p><u>PROJECT:</u> Whole neighborhood revitalization of 275 substandard junior enlisted family housing units by revitalizing 24 units and replacing 317 units with 251 units including neighborhood amenities, infrastructure and energy conservation. (Current Mission)</p>						
<p><u>REQUIREMENT:</u> This project is required to upgrade 774 substandard junior enlisted quarters (Phase II of III). These units were declared substandard in 1975 due to inadequate room size, high density of units per acre, and inadequate supporting infrastructure. This project will provide adequate family housing units for enlisted personnel assigned to Fort George G. Meade.</p>						
<p><u>CURRENT SITUATION:</u> Enlisted personnel are occupying substandard housing units constructed during 1949 and 1950. These units fail to meet current space requirements, lack air conditioning which has been deferred since 1984 in anticipation of this project, contain outmoded installed equipment, require major functional improvements and do not provide an adequate standard of living and quality of life.</p>						
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in substandard housing which will continue to deteriorate. This will adversely affect the health, safety and quality of life of these enlisted personnel and their families, with maintenance costs continuing to accelerate.</p>						
<p><u>ADDITIONAL:</u> The economic analysis shows improvement to cost 73% of replacement housing. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1</p>						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Meade, Maryland		
4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 10127	
<p>ADDITIONAL: (CONTINUED)</p> <p>January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 93-01-22	2. FISCAL YEAR 1993	REPORT CONTROL SYMBOL				
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION								
5. DATA AS OF		a. NAME Army Housing Community Washington, OC			b. LOCATION Fort Meade Housing Site Fort Meade, MD 20755-5115					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED				
		OFFICER (a)	E6 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (a)	E6 - E4 (b)	E3 - E1 (c)	TOTAL (d)	
6. TOTAL PERSONNEL STRENGTH		9,315	13,815	2,163	25,293	8,903	14,599	2,488	25,990	
7. PERMANENT PARTY PERSONNEL		8,775	13,449	1,241	23,465	8,364	14,166	1,627	24,157	
8. GROSS FAMILY HOUSING REQUIREMENT		7,038	9,684	566	17,288	6,726	10,101	734	17,561	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		221	527	127	875					
a. INVOLUNTARILY SEPARATED		27	132	0	159					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	99	94	193					
c. UNACCEPTABLY HOUSED - IN COMMUNITY		194	296	33	523					
10. VOLUNTARY SEPARATIONS		43	50	13	106	41	52	17	110	
11. EFFECTIVE HOUSING REQUIREMENTS		6,995	9,634	553	17,182	6,685	10,049	717	17,451	
12. HOUSING ASSETS (e + f)		6,842	9,424	426	16,692	6,685	9,581	426	16,692	
a. UNDER MILITARY CONTROL		1,198	3,525	17	4,740	1,198	3,525	17	4,740	
(1) Housed in Existing DOD Owned/Controlled		1,130	3,109	17	4,256	1,198	3,525	17	4,740	
(2) Under Contract/ Approved									0	
(3) Vacant		48	149	0	197					
(4) Inactive		20	267	0	287					
b. PRIVATE HOUSING		5,644	5,899	409	11,952	5,487	6,056	409	11,952	
(1) Acceptably Housed		5,644	5,899	409	11,952					
(2) Acceptable Vacant/Rentals					0					
13. EFFECTIVE HOUSING DEFICIT		153	210	127	490	0	468	291	759	
14. PROPOSED PROJECT						0	275	0	275	
15. REMARKS (Specify item number)										
The five Army installations located in the Washington Metro area provide the government living accommodations for soldiers and their families assigned to the area. Housing allowances have not kept pace with the rising cost of living in the Metro area, consequently, enlisted soldiers find a majority of the off-post housing priced beyond their ability to pay.										
Line 14. This project is sited at Fort Meade. The project demolishes 317 substandard units and replaces them with 251 new units, and revitalizes 24 other units. There is a net reduction to the housing inventory at the Fort Meade site.										
4 Bedroom Enlisted 24 Units										
3 Bedroom Enlisted 155 Units										
2 Bedroom Enlisted 72 Units										

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy New York			4. COMMAND United States Military Academy			5. AREA CONSTRUCTION COST INDEX 1.13	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL TOTAL
A. AS OF 30 SEP 1992	838	865	2407	0	4465	0	96 645 1470 10,786
B. END FY 1999	819	705	2472	0	4258	0	89 549 2755 11,647
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	29,511 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,715,641						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	20,700						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	14,200						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	2,700						
H. GRAND TOTAL.....	1,753,241						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
711	17956	Family Housing Improvements		1,500	08/1992	04/1993	
711	31106	Family Housing Improvements		4,200	08/1992	04/1993	
711	39483	Family Housing Replacement Construction		15,000	TURNKEY		
TOTAL				20,700			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
711	Family Housing Improvements		2,150				
711	Family Housing Improvements		3,350				
711	Family Housing Replacement Construction		8,000				
711	Family Housing Improvements		700				
TOTAL				14,200			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
The mission of the United States Military Academy is to educate and train the Corps of Cadets so that each graduate shall have the attributes essential to professional growth as an officer of the Regular Army, and to inspire each to a lifetime of service to the Nation. The United States Military Academy is							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: United States Military Academy New York										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) the installation manager for Stewart Army Sub-Post, which is included for purposes of family housing.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">315</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">777</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	315	B. WATER POLLUTION	777	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	315									
B. WATER POLLUTION	777									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION United States Military Academy, New York				4. PROJECT TITLE Family Housing Replacement Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 39483		8. PROJECT COST (\$000) Auth 15,000 Approv 15,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								8,679
Family Housing					SF	138,400	57.77	(7,995)
Rock excavation					CY	6,000	88.49	(531)
Drainage Landings					LS	--	--	(123)
Information Systems					FA	100	300.00	(30)
<u>SUPPORTING FACILITIES</u>								4,880
Electric Service					LS	--	--	(488)
Water, Sewer, Gas					LS	--	--	(1,092)
Paving, Walks, Curbs And Gutters					LS	--	--	(402)
Storm Drainage					LS	--	--	(236)
Site Imp(1,520) Demo(1,072)					LS	--	--	(2,592)
Information Systems					LS	--	--	(70)
ESTIMATED CONTRACT COST								13,559
CONTINGENCY PERCENT (5.00%)								678
SUBTOTAL								14,237
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								854
TOTAL REQUEST								15,091
TOTAL REQUEST (ROUNDED)								15,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization by replacement of 134 existing uneconomical to revitalize Wherry family housing units with 100 company grade and senior enlisted units to be constructed at a new site. Demolish 134 existing units (211,500 SF). Rock excavation and drainage landings for replacement housing are additional to the normal primary facility cost due to abnormal site conditions. Dwellings will be factory built/manufactured houses and/or conventionally on-site constructed houses. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Site improvements include a through access road, drainage, underground utilities (sized for future increments), sewage lift station, street lighting, traffic systems, neighborhood recreation, off-street parking, fencing and landscaping. At least five percent of the units will be accessible and easily modifiable to accommodate handicapped occupants. Quarters will be air-conditioned. Project will provide kitchen ranges, refrigerators, dishwashers, garbage disposals, hard wired interconnected smoke detectors, hot water heaters, washer and dryer connections, and wiring for information systems (telephone and TV). Exterior telephone and cable TV information systems will be provided by local telephone/TV companies.								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy, New York						
4. PROJECT TITLE Family Housing Replacement Construction					5. PROJECT NUMBER 39483	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
		NET	PROJECT	UNIT	NO	(\$000)
GRADE	BEDROOM	AREA	FACTOR	COST	UNITS	TOTAL
CGO	4	1450	1.09	53	34	2,848
SRENL	3	1350	1.09	53	66	5,147
					100	7,995
<p>PROJECT: Demolish 134 Wherry dwelling units and replace with 100 dwelling units for company grade officer and senior enlisted personnel. This is the first of a three phase program to replace 336 units which are uneconomical to revitalize. (Current Mission)</p> <p>REQUIREMENT: This project is required to provide adequate, energy efficient family housing for personnel assigned to the staff and faculty of the U.S. Military Academy at West Point by eliminating inadequate existing housing which is in poor condition and uneconomical to revitalize.</p> <p>CURRENT SITUATION: The units to be demolished have had only minor improvements since their original construction in 1954 and require major investments to allow continued use as family housing. Due to their age and present condition, maintenance and utility costs have been increasing annually, and have higher than the installation average operating and maintenance costs.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, service members will continue to reside in inadequate, deplorable housing. Separation of mission assigned personnel from the duty station has and will continue to adversely affect Cadet instruction and training for a major segment of the West Point community. Current conditions will continue to cause command problems with respect to maintenance, community life issues and inconvenience to quarters occupants.</p> <p>ADDITIONAL: The economic analysis shows improvement to cost 70% of replacement housing. This analysis supports replacement housing as more cost effective when compared over their useful life. USMA's current housing market analysis (SHMA) validates the lack of adequate housing on the economy. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>						

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION				5. LOCATION			
6. DATA AS OF		a. NAME USMA Military Reservation A36993				b. LOCATION West Point NY 10996-1982			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (M)	E6 - E4 (N)	E3 - E1 (O)	TOTAL (P)	OFFICER (M)	E6 - E4 (N)	E3 - E1 (O)	TOTAL (P)	
6. TOTAL PERSONNEL STRENGTH	934	1,377	4,598	6,909	908	1,156	4,356	6,420	
7. PERMANENT PARTY PERSONNEL	934	1,192	124	2,250	908	1,156	98	2,162	
8. GROSS FAMILY HOUSING REQUIREMENT	871	923	40	1,834	772	903	37	1,712	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	0	211	38	249					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLY HOUSED - IN COMMUNITY	0	211	38	249					
10. VOLUNTARY SEPARATIONS	18	6	0	26	13	4	0	17	
11. EFFECTIVE HOUSING REQUIREMENTS	853	915	40	1,808	759	899	37	1,695	
12. HOUSING ASSETS (a + b)	910	760	2	1,672	759	892	21	1,672	
a. UNDER MILITARY CONTROL	845	701	0	1,546	681	846	19	1,546	
(1) Housed in Existing DOD Owned/Controlled	788	645	0	1,433	681	846	19	1,546	
(2) Under Contract / Approved					0	0	0	0	
(3) Vacant	33	45	0	78					
(4) Inactive	24	11	0	35					
b. PRIVATE HOUSING	65	59	2	126	78	46	2	126	
(1) Acceptably Housed	65	59	2	126					
(2) Acceptably Vacant Renter	0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT	(57)	155	38	136	0	7	16	23	
14. PROPOSED PROJECT					34	66	0	100	
15. REMARKS (Specify item number)									
Line 14. This project demolished 134 units and constructs 100 replacement units. This is the first of a three phase program that will ultimately replace 336 units which are uneconomical to revitalize.									
Company Grade 4 Bedroom 34 Units Seniro NCO 3 Bedroom 66 Units									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg North Carolina			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.80	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		4918	34475	4234	278	1858	0
B. END FY 1999		5261	34316	5029	289	1325	0
					250	1270	1466
							48,749
							49,207
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 129,431 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 3,068,225							
C. AUTHORIZATION NOT YET IN INVENTORY..... 0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 18,000							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 0							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0							
G. REMAINING DEFICIENCY..... 0							
H. GRAND TOTAL..... 3,086,225							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT						COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE				(\$000)	START COMPLETE
711	35561	Family Housing Replacement Construction				18,000	TURNKEY
TOTAL						18,000	
9. FUTURE PROJECTS:							
CATEGORY						COST	
CODE	PROJECT TITLE				(\$000)		
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Airborne Division and non-divisional Support units; provides support to the USA John F. Kennedy Center for Military Assistance; XVIII Corps Headquarters and miscellaneous other tenant activities.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
						(\$000)	
A. AIR POLLUTION						1,684	
B. WATER POLLUTION						8,860	
C. OCCUPATIONAL SAFETY AND HEALTH						0	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina			4. PROJECT TITLE Family Housing Replacement Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 35561	8. PROJECT COST (\$000) Auth 18,000 Approp 18,000			
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							11,223
Jr Enl Three BR Units				SF	268,800	41.55	(11,169)
Building Information Systems				LS	--	--	(54)
SUPPORTING FACILITIES							4,863
Electric Service				LS	--	--	(360)
Water, Sewer, Gas				LS	--	--	(450)
Paving, Walks, Curbs And Gutters				LS	--	--	(908)
Storm Drainage				LS	--	--	(155)
Site Imp(1,185) Demo(1,680)				LS	--	--	(2,865)
Information Systems				LS	--	--	(125)
ESTIMATED CONTRACT COST							16,086
CONTINGENCY PERCENT (5.00%)							804
SUBTOTAL							16,890
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,013
TOTAL REQUEST							17,903
TOTAL REQUEST (ROUNDED)							18,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization by replacement of 224 junior enlisted Capehart dwelling units constructed in 1958 that are not economical to revitalize. The existing 224 housing units will be demolished and the site expanded to reduce the high density of units. Buildings will consist of variously configured one and two story multi-units and/or detached one or two story duplex units. Dwelling units will be factory built or conventionally site built houses with carports and patios. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Supporting facilities include utilities, storm drainage, information (telephone and cable TV) systems, paving, walks, curbs and gutters, recreation facilities and landscaping. Project will provide kitchen range, refrigerator, garbage disposal, hot water heater, dishwasher and hard wired interconnected smoke detectors. At least five percent of the units will be accessible and easily modifiable to accommodate the requirements of the handicapped.							
Grade	Bedrooms	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total	
JRNC0	3	1200	0.784	53.00	224	11,169	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 35561	
<p>PROJECT: Whole neighborhood revitalization by replacement of 224 junior enlisted family housing units in housing areas 14 and 15 to current construction standards including the supporting infrastructure and neighborhood amenities. (Current Mission)</p> <p>REQUIREMENT: This project is required to improve living conditions of junior enlisted Capehart family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability and safety.</p> <p>CURRENT SITUATION: These 224 dwelling units were constructed using the tract housing concept and suffer from numerous inadequacies typical of housing constructed under the Capehart program. Vehicle parking is lacking for residents, and visitors park on the grass. Interior and exterior storage is insufficient. The electrical systems are inadequate to accommodate the electronics that accompany today's typical family. The bathroom fixtures, plumbing, heating and air conditioning systems are deteriorated, require continual maintenance and repair, and need to be replaced. The two story units lack bathrooms on the first floor. Ceiling and wall insulation and thermal pane windows are required to improve energy efficiency. Roofs need to be replaced and the exterior finished with new siding. The overhead electrical wiring needs to be replaced with direct burial cable, existing water and sewer lines require replacement, and new playground equipment, privacy fences and landscaping are required. While these units are over thirty years old, they do not have the mature trees and landscaping associated with older neighborhoods. The units generally have a poor outside appearance and interior living environment.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of these enlisted personnel and their families, with concurrent acceleration of maintenance costs.</p> <p>ADDITIONAL: The economic analysis shows revitalization to cost more than 100% of replacement of existing housing. This analysis shows replacement of existing housing to be more cost effective than revitalization when compared over their useful life. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 93-01-22	2. FISCAL YEAR 1993	REPORT CONTROL SYMBOL			
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION a. NAME Fort Bragg A37225			b. LOCATION Fayetteville NC 28307-5000				
5. DATA AS OF		CURRENT			PROJECTED				
ANALYSIS OF REQUIREMENTS AND ASSETS		OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		5,443	30,405	7,180	43,028	5,797	29,844	7,048	42,689
7. PERMANENT PARTY PERSONNEL		5,305	29,269	7,129	41,703	5,641	29,074	6,917	41,632
8. GROSS FAMILY HOUSING REQUIREMENT		3,796	17,996	1,300	23,092	4,036	17,876	1,261	23,173
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		0	1,174	33	1,207				
a. INVOLUNTARILY SEPARATED		0	121	23	144				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	1	0	1				
c. UNACCEPTABLY HOUSED - IN COMMUNITY		0	1,052	10	1,062				
10. VOLUNTARY SEPARATIONS		289	1,646	175	2,110	307	1,636	170	2,113
11. EFFECTIVE HOUSING REQUIREMENTS		3,507	16,350	1,125	20,982	3,729	16,240	1,091	21,060
12. HOUSING ASSETS (a + b)		3,759	15,384	1,102	20,245	3,729	15,509	1,091	20,329
a. UNDER MILITARY CONTROL		988	3,549	306	4,843	987	3,799	303	5,089
(1) Housed in Existing DOD Demand/Controlled		946	3,341	296	4,583	987	3,686	166	4,839
(2) Under Contract / Approved						0	113	137	250
(3) Vacant		38	167	10	215				
(4) Inactive		4	41	0	45				
b. PRIVATE HOUSING		2,771	11,835	796	15,402	2,742	11,710	788	15,240
(1) Acceptably Housed		2,771	11,835	796	15,402				
(2) Acceptable Vacant Rentals		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		(252)	966	23	737	0	731	0	731
14. PROPOSED PROJECT						0	224	0	224
15. REMARKS (Specify item number)									
<p>Line 12b. Suitable community housing of the type needed is in short supply. The greatest need is affordable housing for lower enlisted grades. Although over 400 community housing units are available, almost all are priced beyond the reach of this group.</p> <p>Line 14. The proposed project consists of revitalizing 224 three bedroom dwelling units by replacement for junior enlisted personnel in housing areas 14 and 15 that are uneconomical to revitalize. There will be no net change to the inventory as a result of this project.</p>									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.08	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	37	108	969	72	342	86	43 88 435 2,180
B. END FY 1999	16	62	1456	116	220	132	42 85 435 2,564
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	60,279 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....							893,203
C. AUTHORIZATION NOT YET IN INVENTORY.....							0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....							2,950
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....							0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							0
H. GRAND TOTAL.....							896,153
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT		PROJECT TITLE				COST	DESIGN STATUS
CODE	NUMBER					(\$000)	START COMPLETE
711	12382	Family Housing Replacement Construction				2,950	
					TOTAL	2,950	
9. FUTURE PROJECTS:							
CATEGORY		PROJECT TITLE				COST	
CODE					(\$000)		
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
The mission of Fort McCoy is to serve as a major support command for Active and Reserve Component activities in a six state region. Support services include providing facilities and training opportunities for Reserve and National Guard units (including maintenance for USAR equipment), and other activities. Fort McCoy is also a mobilization installation and serves as a host installation for a variety of tenants and user activities.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
						(\$000)	
A. AIR POLLUTION						0	

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort McCoy, Wisconsin				4. PROJECT TITLE Family Housing Replacement Construction			
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711		7. PROJECT NUMBER 12382		8. PROJECT COST (\$000) Auth 2,950 Approp 2,950	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							
Family Housing 16 Units				SF	23,525	60.45	1,427
Building Information Systems				LS	--	--	(1,422) (5)
SUPPORTING FACILITIES							
Electric Service				LS	--	--	1,217 (200)
Water, Sewer, & Gas				LS	--	--	(407)
Paving, Walks, Curbs & Gutters				LS	--	--	(129)
Storm Drainage				LS	--	--	(22)
Site Imp(280) Demo(179)				LS	--	--	(459)
ESTIMATED CONTRACT COST							2,644
CONTINGENCY PERCENT (5.00%)							132
SUBTOTAL							2,776
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							167
TOTAL REQUEST							2,943
TOTAL REQUEST (ROUNDED)							2,950
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization by replacement of 16 existing substandard family housing units with 16 three, four and five bedroom officer and senior noncommissioned officer family dwelling units with garages and demolish 16 substandard quarters with garages (31,131 square feet). Construction will consist of variously configured multi-units and single buildings. Dwelling units will be factory built or manufactured houses and/or conventionally constructed on site. The dwelling units will be heated and air conditioned with natural gas furnaces. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Project will provide appliances, laundry hook-up and wiring for information systems (telephone and TV). At least five percent of the dwelling units will be constructed such that they may be easily modified to accommodate handicapped occupants. Supporting facilities include grading, paving, curb and gutter, sidewalks, driveways, recreational facilities, tot lots, landscaping, storm drainage, sewage lift station, street lighting and utilities. The site and common use facilities will be accessible to the physically handicapped.							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort McCoy, Wisconsin						
4. PROJECT TITLE Family Housing Replacement Construction				5. PROJECT NUMBER 12382		
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
GRADE	NUMBER BEDROOM	NET AREA	PROJ FACTOR	\$/NSF	NUMBER UNITS	TOTAL COST (\$000)
CO	4	1870	1.14	53.00	1	113
FGO	3	1400	1.14	53.00	3	254
FGO	4	1550	1.14	53.00	3	281
CGO	4	1450	1.14	53.00	3	263
CGO	3	1350	1.14	53.00	3	245
SEN NCO	5	1705	1.14	53.00	1	103
SEN NCO	3	1350	1.14	53.00	2	163
					16	1,422
<p>PROJECT: Whole neighborhood revitalization by replacement of 16 substandard officer and senior noncommissioned officer family dwelling units to current construction standards including the supporting infrastructure, energy conservation and neighborhood amenities. (Current Mission)</p> <p>REQUIREMENT: This project is required to provide adequate family housing facilities for military personnel of Fort McCoy and their families. Adequate permanent facilities do not exist on post.</p> <p>CURRENT SITUATION: All 16 existing on post family quarters are substandard, none of which were originally designed as family housing. Approximately 40 years old, these structures were converted from other uses to family housing. They contain asbestos, lead base paint and are costly to operate and maintain. The existing community housing inventory and its rate of expansion are minimally adequate to support the needs of the local population, but not to support the housing needs of Fort McCoy's military population. A 31 December 1989 Segmented Housing Market Analysis identified a housing shortage. The local housing industry is not capable of building enough new units to meet the housing needs of Ft. McCoy even in an extremely strong rental housing market, much less in the current rental housing market. This exacerbates the already severe housing shortage for Fort McCoy personnel. Median household income is 85 percent of the national average with dispersion skewed toward low income. This income distribution places a severe demand on reasonably priced housing, most of which are for sale as owner occupied units. Vacancy rates of less than .3 percent cause military personnel to pay higher prices for smaller, lower quality housing with longer commute distances.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, adequate housing will not be available, high maintenance and energy costs will continue to accelerate, and the health, safety and quality of life of the occupants will continue to be adversely affected.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical</p>						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort McCoy, Wisconsin		
4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 12382	
<p>ADDITIONAL: (CONTINUED)</p> <p>security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 93-01-22	2. FISCAL YEAR 1993	REPORT CONTROL SYMBOL			
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION							
5. DATA AS OF		a. NAME Fort McCoy A55425		b. LOCATION Sparta WI 54656-5000					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER #1	E8 - E4 #2	E3 - E1 #3	TOTAL #4	OFFICER #5	E8 - E4 #6	E3 - E1 #7	TOTAL #8
6. TOTAL PERSONNEL STRENGTH		152	489	49	690	173	334	14	521
7. PERMANENT PARTY PERSONNEL		82	198	9	289	60	140	6	206
8. GROSS FAMILY HOUSING REQUIREMENTS		72	168	3	243	53	120	2	175
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		21	41	3	65				
a. INVOLUNTARILY SEPARATED		3	6	0	9				
b. MILITARY HOUSING TO BE DISPOSED/REPLACED		2	10	1	13				
c. UNACCEPTABLY HOUSED - IN COMMUNITY		16	25	2	43				
10. VOLUNTARY SEPARATIONS		2	14	0	16	1	9	0	10
11. EFFECTIVE HOUSING REQUIREMENTS		70	154	3	227	52	111	2	165
12. HOUSING ASSETS (a + b)		49	118	1	168	34	71	0	105
a. UNDER MILITARY CONTROL		25	55	0	80	25	55	0	80
(1) Housed in Existing DOD Owned/Controlled		25	55	0	80	25	55	0	80
(2) Under Contract / Approved									0
(3) Vacant		0	0	0	0				
(4) Inactive		0	0	0	0				
b. PRIVATE HOUSING		24	63	1	88	9	16	0	25
(1) Acceptably Housed		24	58	0	82				
(2) Acceptable Vacant Rental		0	5	1	6				
13. EFFECTIVE HOUSING DEFICIT		21	36	2	59	18	40	2	60
14. PROPOSED PROJECT						13	3	0	16
15. REMARKS (Specify item number)									
Line 12b. Currently Fort McCoy does not have any adequate housing on-post. There are 128 families on the waiting list. This situation has placed a strain on military readiness of the installation. The commander must have his key and essential personnel ready at hand during any military emergency or national crisis. The housing in the community is scarce and is not affordable for junior military personnel.									
Line 14. This project demolishes 16 substandard units and replaces them with 16 new units.									
4 Bedroom Senior Officer 1 Unit									
4 Bedroom Field Grade Officer 3 Units									
3 Bedroom Field Grade Officer 3 Units									
4 Bedroom Company Grade Officer 3 Units									
3 Bedroom Company Grade Officer 3 Units									
5 Bedroom Senior NCO 1 Unit									
3 Bedroom Senior NCO 2 Units									

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
POST ACQUISITION CONSTRUCTION

<u>(\$ In Thousands)</u>	
FY 1994 Program	67,530
FY 1993 Current Est	92,600

Purpose and Scope

The Army operates and maintains an inventory of over 145,000 family housing units. The average age of these units exceeds 30 years. Many of these units require major expenditures for improvements or revitalization to meet contemporary living standards and to provide some of the modern amenities found in comparable community housing. The Post Acquisition program provides this needed revitalization. The proposed work will increase the useful life of our investment by 35 years and concurrently accomplish delayed/deferred maintenance and repairs.

The Army is continuing to place major emphasis on the "whole neighborhood" revitalization concept which considers the requirement of the total neighborhood including the dwelling units, supporting utilities, energy conservation, roads, playgrounds, and community facilities. This will eliminate much of the existing stereotype construction, upgrade quarters to more livable condition, and provide functional units in more attractive housing areas. Economic analyses have been used to determine whether revitalization or replacement housing is the wiser long-term investment. We have eliminated overseas post acquisition construction projects from this submittal due to the uncertainties involved in overseas basing, especially in Europe. We are not neglecting our overseas locations; however we are budgeting only maintenance and repair requirements essential to restoring badly deteriorated facilities.

Program Summary

Authorization is requested for appropriation for whole neighborhood revitalization and improvements of 1,125 units as follows:

a. Projects to exceed the \$50,000 per dwelling unit (adjusted by the area construction factor) statutory funding limitation to perform:

(1) Whole neighborhood revitalization of 83 units at Fort Carson, CO.

(2) Whole neighborhood revitalization of 7 units at Savanna Army Depot, IL.

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(3) Revitalization of one historic General Officer quarters by installing central airconditioning, replacing the heating system and repairing interior at Fort Leavenworth, KS.

(4) Whole neighborhood revitalization of 154 units at Fort Campbell, KY.

(5) Whole neighborhood revitalization of 7 units, including two General Officer quarters, and revitalization of 5 units at Aberdeen Proving Ground, MD.

(6) Whole neighborhood revitalization of 50 units at White Sands Missile Range, NM.

(7) Whole neighborhood revitalization of 58 units at the United States Military Academy, NY.

(8) Whole neighborhood revitalization of 270 units at Fort Lee, VA.

(9) Whole neighborhood revitalization of 73 historic units, including 3 General Officer quarters, at Fort Monroe, VA.

b. Various improvements to existing family quarters with costs less than the statutory funding limitation.

Authorization is requested to exceed the maximum net square footage (NSF) limitation as set forth in Section 2826, Title 10, United States Code, for two General Officer quarters at Fort Jackson, SC. The project (enclosing atriums) would increase the quarters by 77 and 98 NSF. Funding will be from proceeds obtained through an approved land sale to a private developer.

Funding Summary

Regular Improvements Program (\$000)	Requested Authorization Amount (\$000)
<hr/>	<hr/>
\$67,530	\$67,530

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993?			
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas			4. PROJECT TITLE Army Family Housing Post Acquisition Construction				
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER AFH		8. PROJECT COST (\$000) Auth 67,530 Approp 67,530		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
Post Acquisition Construction Improvements					LS		67,530
Projects qualifying for the Defense Energy Conservation Investment Program (ECIP)					LS		0
TOTAL							67,530
10. Description of Proposed Construction							
<p>These projects provide needed revitalization of family housing units that do not meet contemporary criteria for livability. Revitalization projects provide for renewal of the whole house which considers upgrading kitchens (to include dishwashers, garbage disposals and range hoods) and bathrooms, installation of new half-baths (where required), increasing net square footage to space currently authorized, installation of central air conditioning and heating systems, relocation of ductwork above ceilings as required to prevent the possibility of termiticide contamination, exterior storage, carports, parking, patios, and replacement of supporting infrastructure i.e.: utility distribution, storm sewers, roads, landscaping and recreation facilities.</p> <p>Selected projects will eliminate the substandard condition in those units currently classified as substandard.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER	
<p>11. REQUIREMENTS: The numerous acquisitions of the post war period have left a legacy of houses that are over thirty five years old which require major revitalization. The improvement requirements of the inventory have increased faster than prior years programs have met. Consequently, there is an on going requirement to renew and upgrade quarters including upgrading/replacement of the supporting infrastructure and recreational facilities. Units must be revitalized/improved due to age and obsolescence as contemporary standards have evolved. Since units are fully occupied and in high demand, accomplishing the program requires that a systematic revitalization effort be maintained. Units have deteriorated support systems and size/functionality deficiencies that are not adequate for today's family.</p> <p>IMPACT IF NOT PROVIDED: The desired/required improvements to our service members' quality of life will not be realized. Family housing units and supporting systems will continue to be used as is with increasing obsolescence, recurring maintenance costs and unnecessarily high energy use. The President's goal of 20% energy reduction between 1985 and 2000 will not be met. Soldiers and their families will continue to live in quarters that are below accepted standards, affecting their duty performance and adversely impacting on the Army's mission.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																																																				
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<p>DESCRIPTION OF WORK TO BE ACCOMPLISHED</p> <p>Country/State Installation and Project</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 15%; text-align: center;">Post Acquisition Construction -----</th> <th style="width: 15%; text-align: center;">ECIP -----</th> <th style="width: 10%; text-align: right;">CWE (\$000) Total -----</th> </tr> </thead> <tbody> <tr> <td colspan="4">Colorado</td> </tr> <tr> <td>Fort Carson (Project Number 38475)</td> <td style="text-align: center;">5,900</td> <td></td> <td></td> </tr> <tr> <td colspan="4">Whole neighborhood revitalization of company, field and senior grade officer Capehart family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 83 units. (Separate DD Form 1391 is attached).</td> </tr> <tr> <td>Installation Total</td> <td></td> <td></td> <td style="text-align: right;">5,900</td> </tr> <tr> <td colspan="4">Illinois</td> </tr> <tr> <td>Savanna Army Depot (Project Number 28473)</td> <td style="text-align: center;">640</td> <td></td> <td></td> </tr> <tr> <td colspan="4">Whole neighborhood revitalization of officer and senior enlisted family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 7 units. (Separate DD Form 1391 is attached).</td> </tr> <tr> <td>Installation Total</td> <td></td> <td></td> <td style="text-align: right;">640</td> </tr> <tr> <td colspan="4">Kansas</td> </tr> <tr> <td>Fort Leavenworth (Project Number 36580)</td> <td style="text-align: center;">20</td> <td></td> <td></td> </tr> <tr> <td colspan="4">Improve historic General Officer Quarters by installing central air conditioning. This project will be accomplished concurrently with a maintenance and repair (M&R) project to replace a failing heating system (34.0K), paint exterior (12.0K), repair and replace walls and ceilings (30.4K), and repaint interior (12.2K) - 1 unit. Note: Total M&R and improvements = 108.6K. (Separate DD Form 1391 is attached).</td> </tr> <tr> <td>Installation Total</td> <td></td> <td></td> <td style="text-align: right;">20</td> </tr> </tbody> </table>				Post Acquisition Construction -----	ECIP -----	CWE (\$000) Total -----	Colorado				Fort Carson (Project Number 38475)	5,900			Whole neighborhood revitalization of company, field and senior grade officer Capehart family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 83 units. (Separate DD Form 1391 is attached).				Installation Total			5,900	Illinois				Savanna Army Depot (Project Number 28473)	640			Whole neighborhood revitalization of officer and senior enlisted family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 7 units. (Separate DD Form 1391 is attached).				Installation Total			640	Kansas				Fort Leavenworth (Project Number 36580)	20			Improve historic General Officer Quarters by installing central air conditioning. This project will be accomplished concurrently with a maintenance and repair (M&R) project to replace a failing heating system (34.0K), paint exterior (12.0K), repair and replace walls and ceilings (30.4K), and repaint interior (12.2K) - 1 unit. Note: Total M&R and improvements = 108.6K. (Separate DD Form 1391 is attached).				Installation Total			20
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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas			
4. PROJECT TITLE Army Family Housing Post Acquisition Construction		5. PROJECT NUMBER	
DESCRIPTION OF WORK TO BE ACCOMPLISHED			
Country/State Installation and Project			
	Post Acquisition Construction -----	ECIP ----	CWE (\$000) Total -----
<p>Kentucky Fort Campbell (Project Number 17751) 10,200 Whole neighborhood revitalization of company and field grade officer family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 154 units. (Separate DD Form 1391 is attached).</p> <p>Installation Total 10,200</p>			
<p>Maryland Aberdeen Proving Ground (Project Number 5062) 4,000 Whole neighborhood revitalization of company grade officer and senior noncommissioned officer family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 120 units.</p> <p>(Project Number 5063) 1,800 Whole neighborhood revitalization of senior and field grade officer and command sergeants major family housing comparable to new construction standards including energy conservation improvements - 39 units.</p> <p>(Project Number 17649) 110 Whole neighborhood revitalization of General Flag Officer's Quarters comparable to new construction standards including energy conservation improvements - 2 units. (Separate DD Form 1391 is attached).</p> <p>(Project Number 39370) 460 Revitalize senior and field grade officer family housing comparable to new construction standards including energy conservation improvements - 5 units. (Separate DD Form 1391 is attached).</p> <p>Installation Total 6,370</p>			

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas					
4. PROJECT TITLE Army Family Housing Post Acquisition Construction				5. PROJECT NUMBER	
DESCRIPTION OF WORK TO BE ACCOMPLISHED					
Country/State Installation and Project					
	Post Acquisition Construction -----	ECIP ---		CWE (\$000)	Total -----
New Mexico					
White Sands Missile Range (Project Number 3943) 3,300					
Whole neighborhood revitalization of junior enlisted family housing comparable to new construction standards including supporting infrastructure and energy conservation improvements - 50 units. (Separate DD Form 1391 is attached).					
Installation Total				3,300	
New York					
United States Military Academy (Project Number 17956) 1,500					
Revitalize junior enlisted family housing quarters. Renovate kitchen and bathrooms, relocate laundry to basement, replace plumbing and sanitary lines, electrical upgrade, enlarge closets, repair plaster walls and ceilings and basement walls and floor, repair or replace windows and install whole house attic fan - 40 units.					
(Project Number 31106) 4,200					
Revitalize historic field grade officer family housing quarters, phase two of three phases of work. Renovate and reconfigure kitchen, bathrooms and laundry area; replace windows and exterior doors including overhead garage door; repair or replace plaster walls and ceilings; upgrade electrical system; provide central air conditioning; remove asbestos; repair slate roof, front and rear porches and paint interior and exterior. Support facility work includes widening driveway and walks - 58 units. (Separate DD Form 1391 is attached).					
Installation Total				5,700	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER	
DESCRIPTION OF WORK TO BE ACCOMPLISHED		
Country/State Installation and Project		
	Post Acquisition Construction -----	CWE (\$000) ECIP ---- Total -----
<p>Oklahoma Fort Sill (Project Number 16305) 8,600 Whole neighborhood revitalization of field and company grade officer and senior noncommissioned officer family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 221 units.</p> <p>Installation Total 8,600</p>		
<p>South Carolina Fort Jackson (Project Number 40894) 0 Improve General Officer's Quarters by enclosing the atrium located in the center of these houses. Water is leaking along the atrium perimeter, causing structural problems. Work includes repairing damaged building components, installing a new roof and finishing the enclosed space. Enclosing the central atrium will add 112 net square feet (NSF) per unit, resulting in quarters with 2,387 and 2,198 NSF which exceeds the limits imposed by statute by 77 and 98 NSF respectively. Authorization to exceed the limitation is requested. Funding for this project (\$30,000) will be from the proceeds received from the sale of the former Gregg Circle Area to a private developer - 2 units.</p> <p>Installation Total 0</p>		
<p>Virginia Fort Lee (Project Number 17028) 15,000 Whole neighborhood revitalization of junior enlisted family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 270 units. (Separate DD Form 1391 is attached).</p> <p>Installation Total 15,000</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER	
DESCRIPTION OF WORK TO BE ACCOMPLISHED		
Country/State Installation and Project		
	Post Acquisition Construction -----	CWE (\$000) ECIP ----- Total -----
Virginia Fort Monroe (Project Number 25517)	11,800	
Whole neighborhood revitalization of historic general, field and company grade officer and enlisted family housing quarters. Repair or replace windows, construct full and half baths, provide additional kitchen and storage cabinets and shelves, add closets, provide ground fault interrupt receptacles, upgrade insulation, extend fire separation walls, renovate existing baths, repair and refinish all walls and ceilings, repoint brickwork and upgrade supporting infrastructure and neighborhood recreational facilities - 73 units. (Separate DD Form 1391 is attached).		
Installation Total		11,800
USA TOTALS	67,530	67,530
Total USA and Overseas	67,530	67,530

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Carson, Colorado				4. PROJECT TITLE Family Housing Improvements			
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711		7. PROJECT NUMBER 38475		8. PROJECT COST (\$000) Auth 5,900 Approp 5,900	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							
Revitalize Officer Quarters				FA	83	47,518	3,944 (3,944)
<u>SUPPORTING FACILITIES</u>							
Electric Service				LS	--	--	1,135 (136)
Water, Sewer, Gas				LS	--	--	(589)
Paving, Walks, Curbs And Gutters				LS	--	--	(410)
ESTIMATED CONTRACT COST							5,079
CONTINGENCY PERCENT (10.0%)							508
SUBTOTAL							5,587
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							335
TOTAL REQUEST							5,922
TOTAL REQUEST (ROUNDED)							5,900
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 30 company grade, 45 field grade and 8 senior officer Capehart family quarters constructed in 1957-58 comparable to current construction standards, including neighborhood amenities and supporting infrastructure. Scope of work includes adding first floor bathrooms, wall and ceiling insulation, air conditioning, entry vestibules, privacy fencing, carports with bulk storage and trash enclosures, and window blinds. Renovate kitchens and bathrooms, and replace heating, plumbing, electrical and information systems, hot water heaters, windows, vinyl flooring, wood trim and wall and ceiling surfaces. Refinish stairs and hardwood floors, and replace doors and roofs as required. Abatement of asbestos and lead base paint is required. Paint interior and exterior. Supporting facility work includes replacing sewer laterals, electrical distribution and streetlights. Repair or replace patios, sidewalks, driveways and roads. Renovate playgrounds, add jogging path, relandscape and correct surface drainage.							
<u>PROJECT:</u> Whole neighborhood revitalization of 83 company, field and senior grade officer family quarters. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Carson, Colorado		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 38475	
<p><u>REQUIREMENT:</u> This project is required to improve conditions of officer family quarters, neighborhood amenities and supporting infrastructure to meet current standards of size, habitability, safety, energy conservation and to extend the quarters useful life expectancy.</p> <p><u>CURRENT SITUATION:</u> These dwelling units were constructed in 1957-58. The two story, 2, 3 and 4 bedroom units have one bathroom located on the second floor with no half bath provided on the first floor. Bathrooms present a rundown/unsanitary appearance. The many coats of paint, nearly 1/8" deep, are chipping and revealing the lead base paint used in original construction. Kitchens are worn due to fair wear and tear, and mechanical and electrical systems are deteriorated, thereby increasing maintenance requirements. Energy conservation goals are difficult to attain due to lack of insulation and efficient equipment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of the occupants. Maintenance and energy costs will continue to accelerate, diverting limited operating funds and precluding attainment of energy reduction goals.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. The economic analysis shows revitalization to cost 63% of replacement construction. This analysis also shows revitalization to be more cost effective than replacement when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Savanna Army Depot, Illinois				4. PROJECT TITLE Family Housing Improvements			
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711		7. PROJECT NUMBER 28473		8. PROJECT COST (\$000) Auth 640 Approp 640	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							500
Revitalize Family Dwelling Units				FA	5	68,520	(343)
Revitalize/Add Baths				FA	2	78,550	(157)
SUPPORTING FACILITIES							51
Electric Service				LS	--	--	(6)
Site Imp(45) Demo()				LS	--	--	(45)
ESTIMATED CONTRACT COST							551
CONTINGENCY PERCENT (10.0%)							55
SUBTOTAL							606
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							36
TOTAL REQUEST							642
TOTAL REQUEST (ROUNDED)							640
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization of seven dwelling units built 1917/18 and occupied by all grades to current construction standards including neighborhood amenities, supporting infrastructure and energy efficiency. Work includes replacing the heating system and installing air conditioning and adding wall and ceiling insulation; upgrading interior and exterior electrical service; lead base paint abatement; remodeling kitchens and baths; replacement of carpet and refinishing hardwood floors; adding additional baths (2 DUs); installing life safety sprinklers to one third story unit (1 DU); replace asbestos shingles and roofing, gutters and downspouts; aesthetic treatment of exposed plumbing, and repairing fireplaces. Playgrounds and landscaping will be provided.							
PROJECT: Whole neighborhood revitalization of 7 officer quarters utilized by officer and senior enlisted personnel. (Current Mission)							
REQUIREMENT: This project is required to improve existing conditions to conform to adequate standards of comfort, habitability and safety, and to extend the life of these quarters.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Savanna Army Depot, Illinois		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 28473	
<p>CURRENT SITUATION: The existing seven units lack central air conditioning. Receptacles are available for only one window air conditioning unit which is unacceptable. Third floor unit lacks life safety sprinklers. Carpet and floors are worn and need replacement. These buildings are heated by steam from a central oil fired, high pressure heating plant. Radiators need replacement. All family housing dwellings are 70 years old or older and require extensive interior upgrade to bring the units up to current standards. Two units lack an adequate number of bathrooms. No major renovation projects have been performed in these units other than required maintenance and repair. The commander's quarters has a NSF of 5523, the duplex units have 3079 NSF each, and the four-plex units have 2169 NSF each, none of which will be increased as a result of this project.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. The economic analysis shows revitalization to cost 66% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Leavenworth, Kansas				4. PROJECT TITLE Family Housing Improvements			
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711		7. PROJECT NUMBER 36580		8. PROJECT COST (\$000) Auth 20 Approp 20	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u> Central Air Conditioning				FA	1	15,005	15 (15)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							15
CONTINGENCY PERCENT (5.00%)							1
SUBTOTAL							16
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1
TOTAL REQUEST							17
TOTAL REQUEST (ROUNDED)							20
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction							
Install central air conditioning in an historic General Officer Quarters located at 1 Scott Avenue. This project will be accomplished concurrently with a maintenance and repair (M&R) project to replace a failed heating system (34.0K); paint exterior (12.0K); repair and replace walls and ceilings (30.4K); and repaint interior (12.2K). The subtotal for the M&R is 88.6K. The total concurrent M&R and improvements is 108.6K.							
<u>PROJECT:</u> This project will provide central air conditioning to one General Officer Quarters to be accomplished concurrently with replacement of the heating system. This building was constructed in 1864 and is located within the Fort Leavenworth National Historic Landmark District. (Current Mission)							
<u>REQUIREMENT:</u> Central air conditioning is authorized in this geographic area. The most effective method to accomplish the installation of central air conditioning is in conjunction with the related M&R project to replace the heating system.							
<u>CURRENT SITUATION:</u> This GFOQ is presently being cooled inefficiently with occupant owned window air conditioners. These units damage the windows and adjacent wall areas due to their weight and release of condensation.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Leavenworth, Kansas		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 36580	
<p><u>IMPACT IF NOT PROVIDED:</u> This GFOQ will continue to be cooled with occupant owned energy inefficient window units, not conforming to the policy of providing central air conditioning in all family quarters where authorized by location. This residence is structurally sound, however, the mechanical systems are failing and need repair by replacement. This GFOQ is one of the landmarks of the installation and it is in the best interest of the Army to retain it.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan and no additional security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), 'Design Criteria, dated 9 December 1991.</p>		

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky				4. PROJECT TITLE Family Housing Improvements			
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711		7. PROJECT NUMBER 17751		8. PROJECT COST (\$000) Auth 10,200 Approp 10,200	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							8,227
2 Bedroom, CGO				FA	58	42,600	(2,471)
3 Bedroom, FGO				FA	28	61,500	(1,722)
3 Bedroom, CGO				FA	61	58,800	(3,587)
4 Bedroom, FGO				FA	7	63,900	(447)
<u>SUPPORTING FACILITIES</u>							590
Electric Service				LS	--	--	(200)
Water, Sewer, Gas				LS	--	--	(96)
Paving, Walks, Curbs And Gutters				LS	--	--	(45)
Site Imp(249) Demo()				LS	--	--	(249)
ESTIMATED CONTRACT COST							8,817
CONTINGENCY PERCENT (10.0%)							882
SUBTOTAL							9,699
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							582
TOTAL REQUEST							10,281
TOTAL REQUEST (ROUNDED)							10,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 154 company and field grade officer quarters, single and duplex one story units, constructed in 1952-1958 in three separate housing areas (Campbell Army Airfield, Turner Loop, and Werner Park) including neighborhood amenities, infrastructure, and energy efficiency. Work includes increasing the net square footage to allow improvements to the floor plan, redesign of the kitchen and bathroom(s), added family room, laundry room, and additional bath for 61 three bedroom units. Replace windows and blinds, interior doors and hardware, floor covering and insulation to all units to improve energy efficiency. Upgrade the electrical system to include fixtures and relocate the main panel to the utility/laundry room. Repair the plumbing, replace the interior trim and paint the interior. Asbestos and lead paint abatement as required. Replace the patio slab and add covers and privacy fencing. In 35 field grade officer and five company grade officer units, replace the carport, exterior storage and driveways/parking areas. In the other houses, replace the carport roofs and paint. Neighborhood amenities include placing telephone, TV cable and electrical lines underground, additional street/security lighting, adding tot lots, playgrounds, multi-purpose courts, bus stop shelters and landscaping. Repair or replace utility lines (gas, water, sewer and storm sewer), provide							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 17751	
<p><u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u> curbs, gutters and sidewalks, repave streets and upgrade signage to include entrance signs. Five percent of these quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.</p>		
<p><u>PROJECT:</u> Whole neighborhood revitalization of 35 field grade officer and 119 company grade officer quarters to include neighborhood amenities and supporting facilities to current construction standards. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to improve existing conditions of these field and company grade officer family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability, safety, energy conservation, and to extend the life expectancy of these units.</p> <p><u>CURRENT SITUATION:</u> These units have not been renovated since they were constructed. The seven four-bedroom field grade units in Turner Loop with 1,543 net square feet (NSF) have no bathrooms accessible without going through a bedroom. Sixty company grade three-bedroom units in Werner Park (1,047 NSF) and one three-bedroom unit at Campbell Army Airfield (1,171 NSF) have only one bathroom. Thirty-two two-bedroom company grade quarters in Werner Park have 864 NSF and 28 field grade officer units in Turner Loop have 1,295 NSF. There are 22 two-bedroom units with 1,011 NSF in Werner Park. Additionally the four three-bedroom duplexes at Campbell Army Airfield with 942 NSF will be converted to two-bedroom quarters. The washer and dryer are located in the kitchen in 149 units. Kitchen and bathroom fixtures are deteriorated, and plumbing and electrical systems need upgrading. None of the units have family rooms. The patio slabs and carport roofs are cracked and broken. Many of the units do not have fencing, and and broken. Sidewalks, drop-inlets, curbs and gutters are cracked or broken. Turner Loop gas lines need replacing and many of the utility lines need to be repaired or replaced throughout all three housing areas. Streets need repair and ponding is evident in the streets and around the dwelling units. Neighborhood recreational equipment is inadequate to meet the needs of the families.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate, adversely affecting the health, safety and quality of life of these company and field grade officer personnel and their families, with maintenance and utility costs continuing to accelerate.</p> <p><u>ADDITIONAL:</u> The economic analysis shows revitalization to cost 69% of replacement housing. This analysis shows improvement of existing housing to be more cost effective than replacement housing when compared over their useful life. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland			4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 17649	8. PROJECT COST (\$000) Auth 110 Approp 110		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					
Revitalize GFOQ 1		FA	1	48,400	98 (48)
Revitalize GFOQ 10		FA	1	44,900	(45)
Building Information Systems		LS	--	--	(5)
<u>SUPPORTING FACILITIES</u>					
ESTIMATED CONTRACT COST					
CONTINGENCY PERCENT (10.0%)					10
SUBTOTAL					108
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					6
TOTAL REQUEST					114
TOTAL REQUEST (ROUNDED)					110
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Whole neighborhood revitalization of two General Flag Officer's Quarters constructed in 1935. Quarters 1 is the designated quarters for the Commander, U.S. Army Test and Evaluation Command and Quarters 10 is designated for the Commander, U.S. Army Ordnance Center and School. Scope of work includes upgrading the heating system, installation of central air conditioning, upgrade of interior electrical wiring, and wall and attic insulation. This project includes all work required to bring these quarters up to current standards.					
<u>PROJECT:</u> Revitalize two General Flag Officer Quarters. (Current Mission)					
<u>REQUIREMENT:</u> This project is required to improve existing conditions of these General Officer's Quarters (GFOQ) to adequate standards of comfort, habitability and safety, to provide quarters comparable to new construction standards, and to extend the life expectancy of these quarters.					
<u>CURRENT SITUATION:</u> Units lack a central heating/cooling system and adequate attic and wall insulation. Insulation on the electrical wiring has become old and brittle posing a safety hazard.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 17649	
<p><u>IMPACT IF NOT PROVIDED:</u> Delay in accomplishment of this project will result in costly maintenance and repairs, lack of central air conditioning, wasted energy, and impacting the health, safety, and quality of life of these Commanders.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Revitalization is 31% of replacement construction.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland			4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 39370	8. PROJECT COST (\$000) Auth 460 Approp 460	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Revitalize Senior Officer Qtrs		FA	1	95,000	396 (95)
Revitalize Field Grade Qtrs		FA	4	75,200	(301)
SUPPORTING FACILITIES					
ESTIMATED CONTRACT COST					396
CONTINGENCY PERCENT (10.0%)					40
SUBTOTAL					436
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					26
TOTAL REQUEST					462
TOTAL REQUEST (ROUNDED)					460
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Revitalize one senior officer, and four field grade officer family housing quarters constructed from 1913-1927. Work includes upgrading heating systems, installing central air conditioning, replacing interior electrical wiring, repairing plaster walls and ceilings, adding insulation, lead paint removal, increasing bedroom closet space, and replacing or refurbishing interior doors. Replace garages in 1 field grade officer quarters.					
PROJECT: Revitalize one senior officer, and four field grade officer family housing quarters. (Current Mission)					
REQUIREMENT: This project is required to install central air conditioning, improve existing living conditions, reduce energy consumption, accomplish deferred maintenance, reduce routine recurring maintenance and extend the life expectancy of the quarters.					
CURRENT SITUATION: These quarters are partially cooled during the summer months with occupant owned window air conditioning units. The attics are not insulated, resulting in a high use of energy for heating. The garages are deteriorated to the point of becoming a safety hazard. Existing conditions include spalling plaster with lead paint and interior doors which are aged,					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 39370	
<p><u>CURRENT SITUATION:</u> (CONTINUED) split and heavily coated with paint. Asbestos was previously removed. The interior wiring is dry, brittle and presents a potential safety hazard as well as attributing to costly repairs and maintenance. Bedroom closet space is inadequate.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the quarters will continue to deteriorate with annual maintenance costs increasing and the health, safety and quality of life of the occupants will be affected. Operating costs will continue to increase, adversely affecting the Army's goal of a 20% reduction in energy consumption.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria", as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Sr. officer quarters, 6 BR, is 3,044 NSF and the four field grade quarters, 4 BR, have 1780 NSF. The net square footage of these units will not change, and all work required to bring these units up to current standards is included. While not historical, they are highly desirable, well built units that contribute positively to the installation. The economic analysis shows revitalization to cost 69% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION White Sands Missile Range, New Mexico			4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 3943	8. PROJECT COST (\$000) Auth 3,300 Approp 3,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					2,568
Revitalize 3 BR Quarters		FA	50	51,352	(2,568)
<u>SUPPORTING FACILITIES</u>					.253
Electric Service		LS	--	--	(100)
Water, Sewer, Gas		LS	--	--	(57)
Paving, Walks, Curbs And Gutters		LS	--	--	(86)
Site Imp(10) Demo()		LS	--	--	(10)
ESTIMATED CONTRACT COST					2,821
CONTINGENCY PERCENT (10.0%)					282
SUBTOTAL					3,103
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					186
TOTAL REQUEST					3,289
TOTAL REQUEST (ROUNDED)					3,300
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10 Description of Proposed Construction Whole neighborhood revitalization of 50 junior enlisted single story, three bedroom family quarters constructed in 1950 to current construction standards including neighborhood amenities, supporting infrastructure and energy efficiency. Work includes increasing the net square footage to current standards, constructing a second full bath. interior modification to improve floor plan, redesign and upgrade of kitchens, provide pantry and family room. Replace flat roofs with sloped roofs and paint interior. Support facilities include patios, replacing detached garages, paving driveways and installing privacy fencing, landscaping, streetlights, storm drainage and sidewalks. Repair or replace exterior utility lines (water and sewer), provide 18 additional off-street parking spaces and resurface streets. Asbestos has been removed but minor lead paint abatement or removal is involved. Five percent of these quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.					
<u>PROJECT:</u> Whole neighborhood revitalization of 50 junior enlisted quarters to include neighborhood amenities and supporting facilities to current construction standards. (Current Mission)					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION White Sands Missile Range, New Mexico		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 3943	
<p>REQUIREMENT: This project is required to improve existing conditions of junior noncommissioned officer family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability, safety, energy conservation, and to extend the life of these units.</p> <p>CURRENT SITUATION: The units are structurally sound, but the interiors are worn out, need remodeling and lack a second full bath. Garages are too small for use by current type/size vehicles and must be replaced. Eighteen units lack off-street parking. Existing bathroom fixtures have deteriorated. Additional sidewalks and privacy fences are required. Utility systems and streets are in need of repair. Storm water runoff ponds in streets and around houses due to inadequate drainage. Neighborhood recreational facilities consist of inadequate tot lots. Existing net square footage is 1148 SF and will be increased to 1200 NSF.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, service members will continue to reside in minimum standard housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of these enlisted personnel and their families. Maintenance and energy cost will continue to accelerate, precluding attainment of energy reduction.</p> <p>ADDITIONAL: No physical security and/or CBT/T measures are required. This project complies with the scope and design criteria of the Army's Architectural and Engineering Instruction (AEI), Design Criteria, dated 9 December 1991. The net square footage (NSF) will be increased from 1148 NSF to the allowable 1200 NSF. The economic analysis shows revitalization to cost 57% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy, New York				4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 31106		8. PROJECT COST (\$000) Auto 4,200 Approp 4,200	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						3,126
Revitalize Field Grade Units				FA	58	(3,126)
SUPPORTING FACILITIES						480
Paving, Walks, Curbs & Gutters				LS	--	(480)
ESTIMATED CONTRACT COST						3,606
CONTINGENCY PERCENT (10.0%)						361
SUBTOTAL						3,967
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						238
TOTAL REQUEST						4,205
TOTAL REQUEST (ROUNDED)						4,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(0)
10. Description of Proposed Construction Revitalize 58 historic five bedroom field grade officer quarters constructed in 1935 in the Lee Housing Area. This is the second of a three phase program for renewal of 128 family housing quarters. The interior and exterior spaces require repairs and improvement in varying amounts. Scope of work includes renovating kitchens, providing additional counter space, cabinets, garbage disposal, exhaust range hood, dishwashers, and ground fault receptacles; bathroom renovation includes ceramic tile walls/floors, plumbing, lighting fixtures, bathroom accessories, ground fault receptacles and exhaust fans. Reconfigure layout of second floor master bath and basement bathroom. Enclose utility area, replace electric outlets for dryer and washer, install dryer vents, replace water and drain connections for washer, replace laundry sink and provide storage cabinets. Replace seven wood double hung windows and seven basement windows in each unit. Replace all entry doors to include over head garage door. Remove and replace all unsound and defective plaster walls and ceilings. Electrical upgrade to current standards including interior and exterior light fixtures and exterior ground fault receptacles. Provide air conditioning and remove any concealed asbestos insulation encountered. Repair slate roofing. Site work includes widening of existing driveways, walkways, front and rear porch repairs. Complete interior						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION United States Military Academy, New York		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 31106	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED) and exterior painting.		
<u>PROJECT:</u> Revitalize 58 historic field grade officer family housing quarters as the second of three phases of work. (Current Mission)		
<u>REQUIREMENT:</u> This project is required to improve existing conditions of the quarters to conform to adequate standards of comfort, habitability, safety, and to extend the life expectancy of the quarters.		
<u>CURRENT SITUATION:</u> The existing kitchens have insufficient work areas for use of current day household appliances. Existing bathrooms have adequate plumbing but fixtures are worn out, insufficient electrical outlets and baths without showers. The utility areas require improvement of lighting, dryer vents and utility connections. These units, Old Doubles, consist of 29 two story brick duplex buildings with slate roofs, five bedrooms, three baths, full basement, 1327 net square feet with attached garage. Previous major M&R work: partial window replacement 1978, kitchen repairs 1978, insulation 1982, furnace replacement 1987, fireplace repairs 1989. These units contain fixtures and finishes that were installed when built over 50 years ago and have outlived their economic life. Building functional design or capacity will not be altered by this project.		
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.		
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Life cycle economic analysis supports revitalization as compared to replacement construction and shows revitalization to cost 53% of replacement construction.		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Lee, Virginia				4. PROJECT TITLE Family Housing Improvements				
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 17028		8. PROJECT COST (\$000) Auth 15,000 Approp 15,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								
Revitalize Jr Enl Quarters					FA	180	43,750	7,875 (7,875)
<u>SUPPORTING FACILITIES</u>								
Electric Service					LS	--	--	4,904 (589)
Water, Sewer, Gas					LS	--	--	(349)
Paving, Walks, Curbs And Gutters					LS	--	--	(644)
Storm Drainage					LS	--	--	(190)
Site Imp(538) Demo()					LS	--	--	(538)
Other					LS	--	--	(2,594)
ESTIMATED CONTRACT COST								12,779
CONTINGENCY PERCENT (10.0%)								1,278
SUBTOTAL								14,057
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								843
TOTAL REQUEST								14,900
TOTAL REQUEST (ROUNDED)								15,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 180 junior enlisted 2, 3 and 4 bedroom family quarters and community support facilities for 90 additional (270 total) units constructed during 1950 - 1953. Scope of work includes renovation of kitchen and bathrooms, replacement of heating and air conditioning systems, smoke detectors, gas hot water heater, pipe insulation, windows and doors. Provide building envelope insulation, telephone and cable TV outlets, and carports with bulk storage and trash enclosures. Refinish or replace interior floors, walls, ceilings, trim, stair treads and railings. Renovate exterior facade to reflect townhouse configuration including new pitched roof. Lead base paint and asbestos abatement is required. Five percent of the units will be revitalized such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped. Supporting facility work for 270 units includes additional parking, storm drainage, landscaping, upgrade of electrical distribution and streetlight systems, repair or replacement of water distribution, sanitary sewer and information systems, traffic control devices and signage, community center, recreation facilities, tot lots and upgrade of community entrance gateways.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 17028	
<p>PROJECT: Whole neighborhood revitalization of 270 junior enlisted family quarters in the Jackson Circle housing area. (Current Mission)</p> <p>REQUIREMENT: This project is required to improve existing conditions of the quarters to conform to adequate standards of comfort, habitability and safety, to provide quarters comparable to new construction standards, and to extend the life expectancy of the quarters.</p> <p>CURRENT SITUATION: Of these quarters, 180 have had no major improvements since their original construction. Maintenance and utility costs have increased rapidly due to age and deterioration. This project will eliminate over 1.76 million dollars of deferred maintenance and repair (DMAR). Covered parking, exterior storage, patios/decks, privacy fencing, trash enclosures and adequate off street parking are non existent. Interiors and exteriors have deteriorated due to normal wear and tear and numerous changes in occupants. Kitchens have inadequate storage and electrical outlets and some do not have garbage disposals, dishwashers or range hoods. Kitchen cabinets and sinks are deteriorated, reflecting many years of fair wear and tear. This project will add bathrooms to some units, replace worn and failing fixtures and replace cracked and mismatched tiles and finishes. HVAC systems are inefficient and have exceeded their useful life expectancy. Electrical systems do not meet current codes. There are limited playgrounds, tot-lots, family recreational areas, and sidewalks. This project will bring these quarters up to current standards, incorporate ideas from occupants and extend unit life expectancy by 25 - 30 years.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety, and quality of life of the occupants will be diminished.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. A life cycle cost analysis comparing revitalization to replacement construction and off-post leasing has been completed, and concludes that revitalization is the most cost effective alternative.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Monroe, Virginia			4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 25517	8. PROJECT COST (\$000) Auth 11,800 Approp 11,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					8,730
Type 9 - GOQ		FA	3	162,289	(487)
Type 6 - Duplex COL		FA	6	128,616	(772)
Type 10 - Duplex COL		FA	12	149,631	(1,796)
Type 21 - Duplex COL		FA	2	107,727	(215)
Type 4 - Quad SrNCO		FA	12	112,250	(1,347)
Total from Continuation page					(4,113)
<u>SUPPORTING FACILITIES</u>					1,310
Site Imp(1,310) Demo()		LS	--	--	(1,310)
ESTIMATED CONTRACT COST					10,040
CONTINGENCY PERCENT (10.0%)					1,004
SUBTOTAL					11,044
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					663
TOTAL REQUEST					11,707
TOTAL REQUEST (ROUNDED)					11,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 73 historical family quarters consisting of 3 general officer, 20 colonel, 32 company/field grade officer, and 18 senior and junior noncommissioned officer family housing dwellings. Work includes, but is not limited to, installing central air conditioning, upgrading heating system, attic ventilation, ceiling fans and repairs to interior and exterior finishes, underground utility lines, plumbing systems (interior/exterior), exposed conduit, kitchen and baths renovation, unit insulation, laundry facilities, sealing fireplaces, extending firewalls, and window restoration/repair. Repairs are required to foundations, exterior hatch doors, porches and structure, pavement areas, and privacy fencing. Site drainage and grading will be provided where required. Utility systems will be master metered, upgrade natural gas service, garages/carport and exterior lighting improved, and storm drainage, parking, jogging trail and tot lots upgraded. The functional layout of some units will be altered to provide additional baths or improved floor plan. Neighborhood improvements will enhance aesthetics and overall appearance of these historic quarters. Lead paint abatement and removal of asbestos siding is required.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Monroe, Virginia				
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 25517			
9. COST ESTIMATES (CONTINUED)				
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
PRIMARY FACILITY (CONTINUED)				
Type 4 - Quad Co Grade	FA	24	112,250	(2,694)
Type 15 - Quad Field Grade	FA	8	113,945	(912)
Type 7 - Single Family JrNCO	FA	4	78,815	(315)
Type 27 - Single Family SrNCO	FA	1	96,460	(96)
Type 31 - Single Family SrNCO	FA	1	96,460	(96)
Total				4,113
PROJECT: Whole neighborhood revitalization of 73 historic General Officer, colonel, field and company grade officer, and senior and junior noncommissioned officer family housing quarters. (Current Mission)				
REQUIREMENT: This project is required to improve existing conditions of these historic quarters to conform to adequate standards of comfort, habitability, safety, and to extend the life expectancy of the quarters. Work identified incorporates the criteria and recommendations of the Mariani and Associates study of historical quarters and a separate Architect/Engineer study.				
CURRENT SITUATION: These quarters are part of the Fort Monroe National Historic Landmark District, and date to the turn of the century. Central air conditioning does not exist in these quarters, and the existing oil fired heating systems are failing. Kitchens, laundry and bathrooms do not meet current living standards. Counter tops and cabinet fronts are worn and dilapidated. Counter, shelving and cabinet space is severely lacking and cannot accommodate modern appliances nor allow for sufficient work space. Built-in appliances have reached their life expectancy. Interior spaces are awkwardly laid out in some quarters, making them difficult to work and live in. Electrical fixtures, outlets and wiring do not meet current standards. Existing dryer vents run through lower window sashes making for a shabby appearance and eliminating the ability to open the window. Kitchen and bathroom fixtures are aged and worn due to normal wear and tear. Plumbing in some quarters leak, causing water damage to ceiling floors. Closet space is inadequate. Basement doors have deteriorated significantly due to exposure to weather over the years and are warped, allowing water to enter the basement. Exterior and interior door hardware is worn, maintenance intensive and requires replacement. Door and window frames require restoration due to their age and normal wear and tear. Windows are not properly insulated and many are inoperable with broken hardware. Interior finishes to include walls, floors and ceilings require repairs and refinishing. Door and window frames, walls and ceilings are covered with paint build-up and are unsightly due to cracking and peeling of old paint. Original exposed paint layers are lead based, posing				

1. COMPONENT ARMY		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Monroe, Virginia			
4. PROJECT TITLE Family Housing Improvements		5. PROJECT NUMBER 25517	
<u>CURRENT SITUATION: (CONTINUED)</u>			
<p>a health threat. Some units do not have adequate exterior storage facilities and most do not have patios. The present metal roofing system is corroded and pitted. Flashing at critical joints does not exist on some units. Replacement with asphalt shingles where historically feasible is required. Site drainage is a problem during and after heavy rainfall. Ponding occurs in and around sidewalks, dwelling units and basements, and in some cases requires grading in order to alleviate the problem. Some wood floors cannot be further sanded and require carpeting. Fireplaces cause energy inefficiency and can cause a safety hazard from clogged flues and should be closed off. Cable TV wires are strung along walls rather than having been furred in. Firewalls in multiunits need to be extended to conform to fire codes. Attic insulation is not of standard R-value causing energy inefficiency. Foundations of wood frame houses are in poor condition and require jacks to prevent failure of the structure. Mortar in mortar joints is deteriorated. Brickwork needs repointing. Deteriorating asbestos siding is present and exterior needs restoring. Steel siding is deteriorating and needs to be removed and exterior restored. Porch structures are in poor or failing condition and need repair or replacement. General exterior appearance needs upgrading within limits imposed by historic considerations. Exterior conduits are unsightly. Broken pavement at driveways or patios needs repair or replacement. Low maintenance landscaping and privacy wooden fencing is lacking at most quarters. Neighborhood amenities such as curb and gutters, sidewalks, fencing, underground cable TV connections, security/night lighting, general landscaping, garages or carports, basketball pads, and tot lots are lacking or need expansion or upgrading. Storm drainage, natural gas, parking areas and roads, and utility metering at quarters need to be installed or improved. Safety fencing, school bus shelter, and playground is lacking from the type 7 (Big Bethel) neighborhood. Gutter and downspouts require repair or replacement. Water lines from mains to the houses need to be replaced.</p>			
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, these historic quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.			
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the State Historic Preservation Officer has been initiated and is ongoing. A life cycle cost analysis comparing revitalization to demolition and replacement is not a valid cost comparison as it does not consider replacement with an architecturally comparable structure or its historical significance within this historic landmark. All work performed in these units will consider			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Monroe, Virginia		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 25517	
<p>ADDITIONAL: (CONTINUED)</p> <p>the impact on a life cycle basis to assure the quarters are properly and most economically maintained into the future.</p>		

April 1993

ARMY FAMILY HOUSING
FISCAL YEAR 1994 RENTAL GUARANTEE PROGRAM

Purpose and Scope

The CONUS Rental Guarantee program, formerly known as the Section 802 program, is authorized in Section 2836 of PL 102-190, 5 December 1991. It permits the Army to guarantee 97 percent occupancy of housing units constructed at CONUS locations.

Program Summary

A contractor has constructed a 276-unit project at Kaneohe MCB, Hawaii, which was fully occupied by November 1992. Five hundred additional units are authorized, and continued authorization in FY 94 is requested. However, the Army is not pursuing further construction under this program pending results of the Navy's project to construct 368 units at West Loch, Hawaii, under the current legislative guidelines.

ARMY FAMILY HOUSING
Fiscal Year 1994 Section 2836 (802) Family Housing Summary

<u>Location</u>	<u>No. Units Authorized</u>	<u>FY of Initial Authorization</u>	<u>Date of Award</u>	<u>Date of Full Occupancy</u>	<u>FY 93 Units</u>	<u>FY 94 Units</u>
Oahu Consolidated Family Housing Office, HI	276 500	1987 1991	Jun 91 NA	Nov 92 NA	276	276
TOTAL 802	776	NA	NA	NA	276	276

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
ADVANCE PLANNING AND DESIGN

<u>(\$ In Thousands)</u>	
FY 1994 Program	11,805
FY 1993 Current Est	8,940

Purpose and Scope

This program provides for working drawings, specifications, cost estimates, project planning reports, final design drawings of family housing construction projects, and review of construction proposals. Included are architectural and engineering services in connection with any new family housing or post acquisition construction, along with costs incurred in developing requests for proposals. Additionally, these funds will be used to plan and design future year projects for new construction, improvements, and energy conservation.

Program Summary

Appropriation and authorization are required for \$11,805,000 in FY 94 to fund this construction planning and design.

The FY 94 funds provide for final design of FY 94 and FY 95 projects, and for concept designs of FY 96 and FY 97 programs to ensure that construction contracts can be awarded in the respective fiscal years.

The FY 94 planning and design program supports emphasis on the whole neighborhood revitalization program. Revitalization projects require a greater degree of customized planning and design than do new construction projects, such as integrating modernization and upgrade requirements, including supporting utilities and infrastructure, into existing structures of differing conditions.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
OPERATIONS AND MAINTENANCE

<u>(\$ In Thousands)</u>	
FY 1994 Program	857,033
FY 1993 Current Est	1,005,279

Purpose and Scope

a. Operations Account. This portion of the program provides for operating expenses in the following subaccounts and includes both direct and indirect support, as applicable:

Management - Provides resources for family housing management and installation administrative support and for services provided by the Community Homefinding, Relocation, and Referral Services. Includes housing requirements surveys, condition assessment of existing housing, and development of family housing construction and repair projects. Also includes the installation and operation of the Housing Operations Management Systems (HOMES) to improve housing management.

Services - Provides basic installation service support functions such as refuse collection and disposal, pest control, snow removal and street cleaning. Includes the cost of family housing's proportionate share of police and fire protection.

Furnishings - Provides for procurement, management, control, moving and handling of furnishings; plus maintenance, repair, and replacement of the existing furnishings inventory.

Miscellaneous - Provides payments to operate non-Department of Defense housing units occupied by Army personnel overseas.

b. Utilities Account - Includes the costs of heat, air conditioning, electricity, water, and sewage for family housing units. Also includes the costs to operate boiler plants and sewage systems used solely by family housing.

c. Maintenance Account - Provides the following activities required to maintain family housing real property assets:

o Dwellings - Includes service calls and routine maintenance, annual repairs, interior and exterior painting, between occupancy maintenance, repairing/restoring damages caused by fires or storms, and major repair work including projects deferred in prior years.

o Exterior Utilities - Includes costs for maintenance and repair of sewer and water lines, primary and secondary electric lines, and other exterior utilities exclusively for use by family housing.

o Other Real Property - Includes work on grounds, surfaced areas, and other real property serving family housing.

o Incidental Improvements - Includes low-cost minor (incidental) improvements for less than \$3,000 per dwelling unit normally performed concurrently with maintenance and repair projects. Also includes modifications to quarters to meet the needs of exceptional family members.

d. Reimbursement Authority - Provides authority to incur additional costs for services and repair of damages to be reimbursed with collection of payments from Federal and non-Federal sources.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
OPERATION AND MAINTENANCE
PROGRAM SUMMARY HIGHLIGHTS

<u>(\$ In Thousands)</u>	
FY 1994 Program	857,033
FY 1993 Current Est	1,005,279

Authorization and appropriation are requested for \$857,033,000 for FY 1994. This amount, together with estimated reimbursements of \$18,000,000, will fund the Operations and Maintenance program of \$875,033,000. A summary follows (\$ in thousands):

<u>Operations</u>	<u>Utilities</u>	<u>Maintenance</u>	<u>Total</u>	<u>Reimburse-</u>	<u>Total</u>
<u>Request</u>	<u>Request</u>	<u>Request</u>	<u>Direct</u>	<u>ment</u>	<u>Program</u>
\$187,157	\$281,348	\$388,528	\$857,033	\$18,000	\$875,033

The FY 94 operations, utilities, and maintenance programs include the following major initiatives:

- o The continued installation, operation, maintenance, and improvement of the Housing Operations Management System (HOMES), an Army-wide computer system designed to assist in all phases of housing management. Ongoing initiatives include making HOMES more user friendly, establishing methods for system improvements and changes, and improving management output reports.

- o The continued effort to identify adequate housing in communities which is affordable for the soldier. Where shortages exist, housing surveys are reviewed and project proposals are developed to request new construction or leasing of additional housing for military families.

- o Support of the Army Energy Conservation goal of 1.3 percent. Utility consumption per unit is being reduced as a result of energy conserving repair and revitalization projects.

- o Continuation of the Quarters Cleaning Initiative (QCI) which helps limit expensive overseas temporary housing allowances (TLA) to three days in lieu of the 10-day maximum. As a result, QCI program costs are more than offset by known large savings in TLA accounts. The program also shortens the period between occupancy, which creates savings in other housing allowance accounts.

o Continuation of the program to revitalize the family housing inventory. Emphasis is placed on accomplishment of all work required to upgrade units to current construction standards and concurrently perform required maintenance and repairs. Result is extended life of the quarters, reduced future maintenance and utility costs, and increased occupancy in the out-years.

ARMY FAMILY HOUSING
OPERATION AND MAINTENANCE, SUMMARY (WORLDWIDE)
FISCAL YEAR 1994 BUDGET ESTIMATES

April 1993

(Excludes Leased Units and Costs)

	FY 92	FY 93	FY 94		
	ACTUALS	CURRENT	BUDGET		
		ESTIMATES	ESTIMATES		
A. INVENTORY DATA (WORLDWIDE)					
Units in Being BOY	162,335	159,113	147,746		
Units in Being EOY	159,113	147,746	142,981		
a. Conterminous U.S.	92,041	88,057	87,165		
b. U.S. Overseas	23,769	23,907	24,065		
c. Foreign	43,303	35,782	31,751		
d. Worldwide	159,113	147,746	142,981		
	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	ACT	COST	EST	COST	EST
B. FUNDING REQUIREMENT	(\$000)	(\$)	(\$000)	(\$)	(\$000)
1. OPERATIONS					
a. Management	90,077	560	93,678	611	81,163
b. Services	66,799	416	64,840	423	62,447
c. Furnishings	74,454	463	47,036	307	41,707
d. Miscellaneous	1,897	12	1,973	13	1,840
SUBTOTAL OPERATIONS	233,227	1,451	207,527	1,353	187,157
2. UTILITIES	315,187	1,961	313,736	2,045	281,348
3. MAINTENANCE					
a. Maintenance & Repair of Dwellings	376,240	2,341	405,896	2,645	325,820
b. Exterior Utilities	20,997	131	22,652	148	18,183
c. Maint & Repair of Other Real Property	38,719	241	41,770	272	33,530
d. Alterations/Additions	12,697	79	13,698	89	10,995
SUBTOTAL MAINTENANCE	448,653	2,791	484,016	3,155	388,528
4. FOREIGN CURRENCY SAVINGS	(3,821)				
5. APPROPRIATION	993,246	6,180	1,003,279	6,552	857,033
6. REIMBURSABLE PROGRAM	13,434	84	16,000	104	18,000
7. TOTAL O&M PROGRAM	1,006,680	6,263	1,021,279	6,656	875,033

Exhibit FH-2

REAL PROPERTY MAINTENANCE ACTIVITIES
 FY 1994 BUDGET ESTIMATES
 OPERATION & MAINTENANCE COSTS
 Real Property Maintenance and Minor Construction Projects*
 (HISTORIC HOUSING COSTS)

	<u>DU's</u>	<u>(\$000)</u> <u>FY (94)</u>
HISTORIC HOUSING COST		
A. Non GFOQ Dwelling Units (DU's)		
- Line-Item Improvements:	131	14,940
- Maintenance and Repair:	47	1,060
B. GFOQ Dwelling Units (DU's)		
- Line-item Improvements:	4	480
- Maintenance and Repair:	28	1,779
C. Grand Total:	210	18,259

* Quarters designated as historically significant requiring major work performed to meet requirements stipulated by the National Historical Preservation Act of 1966 as amended. Major maintenance, repair, and improvement projects are included in the budget submission. Does not include minor recurring routine maintenance and repair.

JUSTIFICATION

April 1993

MANAGEMENT SUBACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$93,678,000	\$81,163,000

The FY 94 request for the management subaccount is based on the level of effort required for housing staffs, referral services, housing surveys and project planning.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 93 President's Budget Request	93.7
2. FY 93 Appropriated Amount	93.7
3. FY 93 Current Estimate	93.7
4. Pricing	-2.7
a. Civilian Pay Raise	(-1.9)
b. Foreign Currency	(-.8)
5. Program Decreases	-9.8
a. Inventory Reduction	(-3.1)
b. Program Adjustments	(-6.7)
6. FY 94 Budget Estimate	81.2

Rationale for Changes in the Management Account

Program decreases reflect European drawdown and reduced inventory due to BRAC proposals. Program adjustments include command-initiated transfers and other internal actions.

JUSTIFICATION

April 1993

SERVICES SUBACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$64,840,000	\$62,447,000

The FY 94 request is based on the required level of support for refuse collection, street cleaning, fire protection, pest control, and custodial services. The requirements and adjustments are outlined below.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$64.8
2. FY 1993 Appropriated Amount	\$64.8
3. FY 1993 Current Estimate	\$64.8
4. Pricing	
Foreign Currency	(-0.3)
5. Program Decrease	
Inventory Adjustments	(-2.1)
6. FY 1994 Budget Estimate	\$62.4

Rationale for Changes in the Services Account

Program decrease reflects inventory adjustments, including reductions in Europe and base closures.

JUSTIFICATION

April 1993

FURNISHINGS SUBACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$47,036,000	\$41,707,000

The furnishings subaccount is used primarily for the procurement, management, control, moving and handling, maintenance and repair of appliances (i.e., refrigerators, ranges, and, where authorized at OCONUS locations, washers and dryers) for all family quarters throughout the Army. In addition, furniture items such as beds, tables, dressers, etc., are authorized for OCONUS locations.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 93 President's Budget Request	52.0
2. Congressional Adjustment	-5.0
3. FY 93 Appropriated Amount	47.0
4. FY 93 Current Estimate	47.0
5. Pricing	-1.4
a. Civilian Pay Raise	(-1.0)
b. Foreign Currency	(-.4)
6. Program Decreases	-3.9
a. Inventory Reduction	(-1.6)
b. Program Adjustments	(-2.3)
7. FY 94 Budget Estimate	41.7

Rationale for Changes in the Furnishings Account

Program decreases reflect a continuing reduction of AFH furniture and appliances, resulting from planned force structure drawdowns, realignments, and base closures.

JUSTIFICATION

April 1993

MISCELLANEOUS SUBACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$1,973,000	\$1,840,000

The FY 94 request includes sufficient resources to cover permit payments for housing U.S. soldiers in foreign locations.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 93 President's Budget Request	2.0
2. FY 93 Appropriated Amount	2.0
3. FY 93 Current Estimate	2.0
4. Pricing	-.1
Foreign Currency	(-.1)
5. Program Decrease	-.1
Program Adjustments	(-.1)
6. FY 94 Budget Estimate	1.8

Rationale for Changes in the Miscellaneous Account

Program decrease reflects lower permit payments and deletes accommodation charges, since housing has been turned over to the United Kingdom.

JUSTIFICATION

April 1993

UTILITIES ACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$313,736,000	\$281,348,000

This program provides for all utilities for Army Family Housing, which include electricity, natural and propane gas, steam hot water, fuel oil, coal, water and sewage. These are must-pay costs and are essential to keep family quarters occupied.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$313.7
2. FY 1993 Appropriated Amount	\$313.7
3. FY 1993 Current Estimate	\$313.7
4. Pricing	4.4
a. Fuel Price Adjustments	(6.3)
b. Foreign currency	(-1.9)
5. Program Decreases	-36.8
a. Inventory Reduction	(-10.4)
b. Energy Consumption Reduction Goal	(- 4.1)
c. Program Adjustments	(-22.3)
6. FY 1994 Budget Estimates	\$281.3

Rationale for Changes in the Utilities Account

The energy consumption reduction goal of 1.3 percent has been considered in the program. It is anticipated that the established energy reduction goals between FY 85 and FY 95 will be met. Savings realized as a result of the energy conserving repair and improvement projects completed in prior years will continue to help achieve the energy reduction goals.

Inventory adjustments are based on BRAC, reductions in Europe, and increases due to new construction. Program adjustments are made based on unforeseen rate changes, weather conditions, increased savings from energy conserving projects and changes in projected inventory.

JUSTIFICATION

April 1993

MAINTENANCE ACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$484,016,000	\$388,528,000

The family housing assets maintained by the Army are valued at over \$18 billion in replacement costs. To ensure that these facilities can be occupied continuously requires sound property management for preservation and protection of this major investment. The past decline of the dollar value overseas and budget constraints in prior years have had an adverse impact on the Army's program to contain the growth of deferred maintenance.

During FY 94 it is estimated that approximately 32,062 overseas units and associated costs of \$7,534 million will be required for quarters cleaning between change of occupancy.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$495.8
2. Congressional Adjustment	-11.8
3. FY 1993 Appropriated Amount	\$484.0
4. FY 1993 Current Estimate	\$484.0
5. Pricing	-31.7
a. Inflation	(-27.0)
b. Foreign Currency	(- 4.7)
6. Program Decreases	-63.8
a. Inventory Reduction	(-16.5)
b. Major M&R Project Deletions	(-13.8)
c. Revitalization Reduction	(-33.5)
7. FY 1994 Budget Estimates	\$388.5

Rationale for Changes in the Maintenance Account

Program decreases reflect European drawdown and reduced inventory due to BRAC proposals. Decreases also reflect deletions of several programmed major M&R projects, mainly those in USAREUR. In addition, the revitalization of units contributes to the reduction of required major M&R projects within CONUS.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
SUMMARY BACKLOG OF DEFERRED MAINTENANCE
(\$M)

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Beginning of Year DMAR	576	638	717
Revitalization Reduction	- 21	- 26	- 33
DMAR Inventory Reduction	- 18	- 33	- 45
Revalue Adjustment (Foreign Currency)	- 40	- 10	- 5
Revised Beginning of Year DMAR	497	569	634
DMAR Containment (Inflation & Deterioration)	28	31	34
Annual Maintenance Requirement	588	627	598
Total Maintenance Requirement	616	658	632
Total Maintenance Financed	449	484	389
Unfunded Requirement	+167	+174	+243
Adjusted DMAR Growth	- 25	- 26	- 37
Change in DMAR	+142	+148	+206
End of Year DMAR	638	717	840

DMAR Containment is computed by applying factors for inflation and deterioration on the beginning of year DMAR reduced by the impact of revitalization projects. The Annual Maintenance Requirement is computed by taking the average cost per dwelling unit (adjusted for inflation and the impact of revitalization) times the average inventory for the year.

The funding request for maintenance in FY 94 is still inadequate to contain the backlog of deferred maintenance and repairs (DMAR). Previous limited maintenance funding and high occupant turnover rates have accelerated deterioration of family quarters and the supporting infrastructure. Limited funding in recent years has also resulted in piece-meal or temporary repairs while more permanent solutions were deferred. Emphasis on timely maintenance and repairs is essential to ensure quarters are available for occupancy. Continually deferring such work increases the rate of deterioration, causing additional unfunded requirements in future years.

The Army has initiated a whole-house/whole-neighborhood concept to establish total funding required to bring existing facilities up to new construction standards. This concept combines all improvements with required maintenance and repairs into one project, minimizing quarters downtime and continual disruption to residents for piece-meal type work. Approximately 40 percent of the dollars in the revitalization program contributes to a reduction in DMAR.

To realize maximum benefit from available maintenance funds, the Army has reduced the maintenance and repair program in Germany to a level which will keep the dwelling units operational until closure decisions are finalized.

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE April 1993		
3. INSTALLATION AND LOCATION Various Locations - Continental				4. PROJECT TITLE AFH Maintenance and Repair Projects over \$15,000 per Dwelling Unit			
5. PROGRAM ELEMENT 887420		6. CATEGORY CODE 771		7. PROJECT NUMBER Congressional Report Request		8. PROJECT COST (\$000) \$2,010.0	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>Projects for Repairs to</u> Family Housing Dwelling Units (Non General/Flag Officer Qtrs (GFOQ))				DU	78	-	\$2,010.0
10. Description of Proposed Construction							
<p>Projects include work necessary to provide adequate family quarters by repairing/ replacing deteriorated building components, i.e., kitchen counters and cabinets, floors, walls, windows, mechanical, electrical, air conditioning and plumbing systems, kitchen and bath fixtures, roofing and exterior siding as required. Replacement of building components in quarters designated as historically significant are performed on life cycle analysis, as applicable, in coordination with the State Historical Preservation Office.</p> <p>11. Requirement for Project:</p> <p>PROJECT: Provides repair in 78 units by replacing deteriorated components and/or building systems. These units do not include general or flag officers quarters as projects for those units are reported separately</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE April 1993
3. INSTALLATION AND LOCATION Various Locations - Continental		
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)		5. PROJECT NUMBER P1920
<p><u>REQUIREMENTS:</u> Projects are required to accomplish necessary repairs in family quarters to correct deficiencies due to continued use, deterioration or failure of building components. The work proposed is the type necessary to assure continued occupancy, adequately maintain the facility, prevent the unit from further deterioration and is based on life cycle analysis of the component. Projects are at CONUS locations.</p> <p><u>CURRENT SITUATION:</u> These units vary in age up to 120 years. The buildings are structurally sound and worthy of investment; however, the facility components and utility systems are deteriorated to the extent that maintenance is no longer effective, and major repairs or replacement of components are required. Type of repairs to be performed are based on a cost analysis.</p> <p><u>NOTE:</u> This information is provided in accordance with the House Appropriation Committee, Report 102-74, 22 May 1991, requiring the Services to report major repairs in family quarters where the costs (obligations) exceed \$15,000 per dwelling unit in a fiscal year. GFOQs are reported separately where the total obligations for maintenance and repair during the fiscal year will exceed \$25,000. The project listing allows for execution of the projects in FY 94. Work required in historical family quarters, designated as historically significant, has been identified and is being performed in consultation with applicable State Historic Preservation Offices.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA				2. DATE April 1993		
3. INSTALLATION AND LOCATION Various Locations - Continental							
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)					5. PROJECT NUMBER P1920		
DESCRIPTION OF WORK TO BE ACCOMPLISHED							
STATE <u>INSTALLATION</u>	NO. <u>D.U.</u>	YEAR <u>BUILT</u>	(\$000) AVE D.U. <u>COST</u>	AVG D.U. <u>NSF</u>	TOTAL PROJECT <u>NSF</u>	(\$000) TOTAL <u>CWE</u>	(\$000) CONCUR <u>PAC</u>
<u>HAWAII</u>							
FORT SHAFTER Historical (PN 13840)	1	1907	60.0	2737	2737	60.0	0.0
Repair dwelling unit, Quarters 15, to include replacing existing interior plumbing and electrical systems. Total M&R + PAC past 5 years: Detailed prior costs are not available							
<u>ILLINOIS</u>							
ROCK ISLAND Historical (PN 41100)	1	1905	30.0	8310	8310	30.0	0.0
Repair dwelling unit, Quarters 6, to include replacing existing asphalt shingled roof, metal flashing, gutters and downspouts. Repair chimneys and ornamental iron braces. This unit also included in PN 41099 and 41114. Total M&R + PAC past 5 years: \$86,277.00.							
ROCK ISLAND Historical (PN 41099)	1	1905	70.0	8310	8310	70.0	0.0
Repair dwelling unit, Quarters 6, to include replacing of the electrical service including the weather head, meter, load center, wiring, receptacles and switches. Same unit as PN 41100. This unit also included in PN 41100 and 41114. Total M&R + PAC past 5 years: \$86,277.00.							
ROCK ISLAND Historical (PN 41114)	7	1872- 1905	18.6	5109	35,764	130.0	0.0
Repair dwelling units, Quarters 2, 3, 6, and 360 (4 units), by installing PVC drainage system around exterior foundation. Waterproof exterior foundation and repair cracks while perimeter is excavated. Total M&R + PAC past 5 years: \$328,761.00.							
<u>New Jersey</u>							
PICATINNY ARSENAL (PN 40980)	22	1909- 1941	17.73	2118	46,597	390.0	0.0
Repair dwelling units to include the replacement of exterior windows and existing storm doors. Total M&R + PAC past 5 years: \$243,900.00							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA				2. DATE April 1993		
3. INSTALLATION AND LOCATION Various Locations - Continental							
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)					5. PROJECT NUMBER P1920		
DESCRIPTION OF WORK TO BE ACCOMPLISHED							
STATE <u>INSTALLATION</u>	NO. <u>D.U.</u>	YEAR <u>BUILT</u>	(\$000) AVE D.U. <u>COST</u>	AVG D.U. <u>NSF</u>	TOTAL PROJECT <u>NSF</u>	(\$000) TOTAL <u>CWE</u>	(\$000) CONCUR <u>PAC</u>
<u>TEXAS</u>							
FT SAM HOUSTON Historical (PN 40534)	40	1909	15.75	4606	184,233	630.0	0.0
Repair dwelling units to include cracks in exterior walls due to settlement. Repair roof damage due to shifting of the chimneys. Total M&R + PAC past 5 years: \$250,000.00.							
FT SAM HOUSTON Historical (PN 38940)	1	1906	80.0	4613	4,613	80.0	0.0
Repair dwelling unit to include repair or replacement of exterior masonry veneer and limestone lintels, rafters, roofing and roof flashing. Install steel tie rods in attic and at exterior walls. These repairs will correct structural problems which have developed since construction. Total M&R + PAC past 5 years: \$12,500.00.							
<u>VIRGINIA</u>							
FT BELVOIR Historical (PN 41183)	7	1934	88.6	1852	12,964	620.0	0.0
Repair dwelling units to include the replacement of the boiler and hot water heater; repair the internal electrical system; repair one bathroom in each set of quarters; repair windows and exterior doors; repair the refuse wall and driveway; paint exterior trim; repair work includes the removal of asbestos pipe insulation incidental to boiler replacement. In addition, this project includes minor incidental improvements. Total M&R + PAC past 5 years: \$8,118.00							

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATE SUBMISSIONSUMMARY OF ACTIONS TAKEN TO CONTROL AND REDUCE
EXPENDITURES IN GENERAL/FLAG OFFICER QUARTERS (GFOQ),
"HIGH-COST UNITS"

The Army operates and maintains 385 quarters designated for general officers. Occupants of these quarters come from all Services. Within CONUS, almost half of these units are over 75 years old and an additional 41 percent are between 50 and 75 years of age. The majority of our GFOQs were built prior to the current size limitations, therefore, they are generally larger than more contemporary structures.

Costs to operate these quarters continue to be closely scrutinized. It is our intent to ascertain that expenditures on these units, sometimes referred to as "high cost quarters", are wise and represent sound investments. Our efforts have focused on improving management, increasing occupant participation in controlling costs, and, in general, developing an awareness of "the cost to do business". Jointly, occupants and management exercise responsibility for the stewardship of these quarters by establishing a long range maintenance plan, which can be executed with a reasonable degree of certainty. This plan is updated every year and requires written concurrence from the occupant. Requests for work, not included in the long range plan, must have the occupant's personal signature before the work may be accomplished.

A regulation addressing all aspects of GFOQ management has been published. A copy of this regulation is provided to each occupant at the time the quarters are occupied. In addition, periodic communication with occupants through a variety of media, attempts to keep them informed and foster the prudent landlord concept. Annually, we conduct specialized training in the form of workshops. Also our major Army commands (MACOM) and many installations now have a single point of contact for matters concerning GFOQs.

Detailed cost accounting is maintained for each GFOQ. These costs are reviewed quarterly at the installation, semiannually at the MACOM, and annually at HQDA. In addition, the Secretariat reviews and approves all M&R projects which exceed \$15,000 and annual O&M costs in excess of \$50,000 per quarters in a fiscal year.

April 1993

DEPARTMENT OF THE ARMY

FISCAL YEAR 1994

**GENERAL/FLAG OFFICER QUARTERS (GFOQs)
WHERE ANTICIPATED MAINTENANCE AND REPAIR
OBLIGATIONS WILL EXCEED \$25,000 PER DWELLING UNIT**

This information is provided in accordance with the reporting requirement as stated in the Military Construction Appropriations Bill Report 102-580, June 18, 1992. This report provides information regarding the anticipated costs for those GFOQ's where maintenance and repair obligations in FY 94 are expected to exceed \$25,000 per dwelling unit. Annual lease costs are separately identified, where applicable. Maintenance and repairs include recurring work (service calls, preventive maintenance, and routine work between occupancy), as well as major repairs. In those quarters designated as historical, major work is coordinated with the appropriate State Historic Preservation office. Improvements (post acquisition construction funding) are identified separately if they are proposed to be funded in FY 94. Leased quarters exceeding \$20,000 are included in the Army's high cost lease authority in accordance with Military Construction Authorization Law. All leases executed or renewed where costs exceed \$20,000 require approval by the Secretary of the Army. A semi annual report is submitted to Congress. Post-Acquisition Construction for prior 5 years is identified separately, as applicable.

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
CALIFORNIA						
Ft Mason (PN UF00763-3P)						
2 Ft Mason	4034	yes	1863	\$48,800	-	-

Maintenance and repairs include service calls - \$2,700; recurring maintenance - \$1,700; interior painting - \$1,500; exterior paint-\$700; between occupancy maintenance - \$600; grounds maintenance -\$5,000; repair windows and screens - \$7,900; foundation repairs-\$28,700.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>	<u>LEASE</u>	<u>NEW</u>
<u>OTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>		<u>WORK</u>	

DISTRICT OF COLUMBIA

Ft McNair (PN 36638)

4 Second Ave 3,169 yes 1903 \$91,500 - -

5 Second Ave 3,197 yes 1903 \$91,500 - -

Maintenance and repairs include service calls - \$3,000; change of occupancy maintenance - \$8,000; replacement of A/C unit \$16,500; repair/renovation of bathroom - \$17,300; repair/renovation of kitchen - \$23,000; exterior masonry repairs - \$2,500; repair fireplaces - \$2,800; replace fan coil units - \$18,400.

7 Second Ave 4,436 yes 1903 \$25,500 - -

9 Second Ave 4,278 yes 1903 \$25,500 - -

13 Second Ave 3,169 yes 1903 \$25,500 - -

14 Second Ave 3,169 yes 1903 \$25,500 - -

Maintenance and repairs include service calls - \$3,000; routine maintenance \$6,000; replacement of A/C unit - \$16,500.

GEORGIA

Ft Benning (PN 41212)

100 Vibbert 6,118 yes 1918 \$34,200 - -

Maintenance and repairs include service orders - \$1,100; recurring maintenance - \$4,000; interior painting - \$2,000; grounds maintenance - \$2,000; replacement of wooden balustrades \$8,900; and repair/replacement of porch and balcony - \$16,200.

Ft McPherson

11E Staff Row 3204 yes 1891 \$34,800 - -

Maintenance and repairs include service orders - \$2,300; recurring maintenance - \$1,000; grounds maintenance - \$1,000; repair and replacement of metal standing seam roof - \$28,000; replacement of downspouts - \$2,500.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>	<u>LEASE</u>	<u>NEW</u>
	<u>QTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>		<u>WORK</u>

GEORGIA (cont)

Ft McPherson (cont)

11W Staff Row	3204		yes	1891	\$41,400	-	-
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Maintenance and repairs include service orders - \$2,300; recurring maintenance - \$1,300; repair fireplace - \$1,000; repair air conditioning drainage system - \$1,500; repair back porch - \$2,000; repointing masonry - \$300; repair/replacement of metal standing seam roof - \$28,000; replacement of downspouts - \$2,500; grounds maintenance - \$1,000; repair patio sidewalk - \$1,500.

HAWAII

Ft Shafter (PN 41037)

4 Palm Circle	4,480		yes	1907	\$101,000	-	-
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Maintenance and repairs include service orders - \$3,000; interior painting - \$4,000; repair/replacement of exterior wood and painting of exterior surfaces - \$13,500; grounds - \$2,000; interior plumbing repairs, including repair/renovation of two bathrooms and laundry room - \$18,500; interior electrical repairs \$31,500; repair/replacement of drywall incident to electrical and plumbing repairs - \$28,500.

10 Palm Circle	4,609		yes	1907	\$31,000	-	-
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Maintenance and repairs include service orders - \$2,000; change of occupancy maintenance - \$15,000; exterior painting - \$12,000; grounds - \$2,000.

Hickam AFB (PN 40074)

301 Julian	4,424		no	1941	\$63,200	-	-
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Maintenance and repairs include service orders - \$2,600; A/C maintenance - \$1,000; interior electric repairs - \$6,000; recurring maintenance - \$2,100; exterior painting - \$10,000; driveway repairs and resurfacing - \$35,000; grounds \$5,000; design costs - \$1,500.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>		<u>NEW</u>
	<u>QTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>	<u>LEASE</u>	<u>WORK</u>

HAWAII (cont)

Pearl Harbor							
33 Makalapa	2,616	no	1941	\$26,800	-	-	

Maintenance and repairs include service orders - \$1,200; change of occupancy maintenance - \$2,700; replacement of canec ceilings \$20,900; grounds - \$2,000.

KENTUCKY

Fort Knox (PN 41057)							
1 Fifth Ave	4,424	no	1939	\$40,700	-	-	

Maintenance and repairs include service orders - \$500; recurring maintenance - \$1,100; replacement of the roof, downspouts and gutters - \$35,000; grounds \$2,000; and design costs - \$2,100.

(PN 41057)							
1401 5th Ave	2,132	no	1939	\$29,200	-	-	

Maintenance and repairs include service orders - \$400; recurring maintenance - \$1,100; design costs- \$2,700; grounds - \$2,000; repair of gutters and downspouts - \$1,600; interior painting and surface repairs - \$4,000; refinish floors - \$1,000; repair and renovate guest bath - \$3,000; insulate quarters - \$3,000; repair patio - \$1,500; repair sidewalk - \$1,500; renovate bathroom \$8,000.

(PN 41057)							
1402 5th Ave	2,172	no	1934	\$42,900	-	-	

Maintenance and repairs include service orders - \$400; recurring maintenance - \$1,100; design costs- \$3,900; grounds - \$2,000; repair of gutters and downspouts - \$1,000; interior painting and surface repairs - \$4,000; refinish floors -\$1,000; repair/renovate guest bath - \$3,000; insulate quarters - \$3,000; repair patio \$1,500; repair sidewalk - \$2,000; renovate bathroom - \$8,000; kitchen/pantry renovation - \$12,000.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>		<u>NEW</u>
	<u>QTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>	<u>LEASE</u>	<u>WORK</u>

NEW JERSEY

	Picatinny Arsenal (PN 40981)						
	112 Joyes Ln	4,334	yes	1902	\$48,900	-	-

Maintenance and repairs include service orders - \$2,000; recurring maintenance - \$900; replacement of roof, flashing, downspouts and gutters - \$46,000.

NEW YORK

	West Point (PN 41034)						
	100 Jefferson	10,558	yes	1820	\$79,100	-	-

Maintenance and repairs include service orders - \$3,100; routine maintenance - \$3,400; touch-up painting - \$500; exterior brick and wood repairs and painting of all exterior trim - \$62,000; grounds - \$4,100; design costs - \$6,000.

(PN 41034)

	101 Jefferson	4,400	yes	1820	\$58,000	-	-
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Maintenance and repairs include service orders - \$2,200; routine maintenance - \$3,400; exterior brick and wood repairs and painting of all exterior trim - \$45,000; grounds - \$3,400; design costs - \$4,000.

(PN 41034)

	102 Jefferson	6,674	yes	1857	\$76,400	-	-
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Maintenance and repairs include service calls - \$2,200; routine maintenance - \$3,600; exterior brick and wood repairs and painting of all exterior trim - \$52,000; replacement of leaded glass windows and fireplace liner - \$7,000; installation of rear door overhang to divert water - \$2,500; grounds - \$4,100; design costs - \$5,000.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u> <u>INSTALLATION</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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TEXAS

Ft Sam Houston (PN 39271)

2 Staff Post	3,749	yes	1881	\$83,250	-	-
8 Staff Post	3,749	yes	1881	\$83,250	-	-
9 Staff Post	3,030	yes	1881	\$83,250	-	-
11 Staff Post	3,691	yes	1881	\$83,250	-	-

Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$1,600; grounds - \$2,000; masonry restoration \$9,800; repair, replacement of roof - \$14,700; renovate kitchen \$28,000; renovate 3.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; repair fireplaces \$2,500.

(PN 39271)

6 Staff Post	5,876	yes	1881	\$118,450	-	-
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Maintenance and repairs include service calls - \$1,900; recurring maintenance - \$1,600; grounds - \$2,000; masonry restoration - \$9,800; repair, replacement of roof - \$14,700; renovate kitchen \$28,000; renovate 4.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; replace A/C - \$35,000; repair fireplaces \$2,500.

(PN39271)

10 Staff Post	4,035	yes	1881	\$148,550	-	-
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Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$4,000; change of occupancy maintenance - \$2,900; grounds - \$2,000; masonry restoration - \$9,800; replacement of roof \$14,700; renovate kitchen - \$28,000; renovate 3.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; replace A/C - \$60,000; repair fireplaces \$2,500.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>		<u>NEW</u>
<u>QTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>	<u>LEASE</u>		<u>WORK</u>

TEXAS (cont)

Ft Sam Houston (cont)

(PN 40780)

416 Dickman	3,137	yes	1934	\$81,900	-	-	-
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Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$3,400; change of occupancy maintenance - \$2,000; interior painting - \$3,300; grounds - \$2,000; kitchen renovation \$14,000; repair/renovation of 3 bathrooms - \$20,000; repair gutters - \$6,000; repair/replace carport - \$8,000; replace cast stone - \$3,000; scrape, prepare and repaint all wrought iron railings - \$3,000; repair exterior plaster - \$7,000; repair fire places - \$2,500; replace domestic hot water heater and hot water pipes - \$6,000.

VIRGINIA

Fort Myer (PN 37155)

8 Grant Ave	4,057	yes	1903	\$35,000	-	-	-
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Maintenance and repairs include service calls - \$3,000; change of occupancy maintenance - \$9,000; interior painting - \$8,000; repair/renovation of master and guest bathrooms - \$15,000.

12A Jackson	2,701	yes	1892	\$29,000	-	-	-
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Maintenance and repairs include service call - \$3,000; change of occupancy maintenance - \$8,000; interior painting - \$5,000; waterproof basement - \$10,000; replace water chiller - \$3,000.

Fort Myer

(PN 40637)

13B Jackson	1,973	yes	1903	\$39,800	-	-	-
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Maintenance and repairs include service call - \$3,000; change of occupancy maintenance - \$8,000; interior painting - \$3,000; exterior painting - \$4,000; replacement of fan coil units - \$2,000; repair/renovation of kitchen - \$19,800.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>OTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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BELGIUM (BF 34.13) Quarters One	10,411	yes	1800	\$100,508	-	-
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Maintenance and repairs include service calls - \$13,078; recurring maintenance - \$6,930; interior painting and replacement of wallcovering - \$16,500; refinishing of wooden floors in three rooms - \$5,500; replacement of water softener - \$3,000; repair/renovation of bathroom - \$24,300; repair/renovation of family kitchen - \$28,200; improvements incidental to kitchen and bathroom repairs - \$3,000.

GERMANY (DM1,65) Heidelberg 26 Rheinstr	7,000	no	1963	\$53,861	-	-
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Maintenance and repairs include service calls - \$1,700; routine maintenance - \$900; kitchen and service area repairs/renovation \$47,161; grounds - \$4,100.

JAPAN (Yen 124.38) Camp Zama (PN 41185) Quarters 1000	4,195	no	1955	\$118,300	-	-
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Maintenance and repairs include service calls - \$1,200; change of occupancy maintenance - \$3,000; interior painting - \$8,600; incidental improvements - \$3,000; grounds - \$2,800; design costs \$1,700; repair/renovation of kitchen - \$65,000; repair/upgrade master bath - \$25,000; replacement of entertainment area A/C \$8,000. Area cost factor for Japan is 1.6.

KOREA (Won 797.45) Seoul (PN41652) Quarters 4401	3,447	no	1959	\$144,100	-	-
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Maintenance and repairs include service calls - \$700; teagu screen doors - \$6,800; replacement of exterior fascia board - \$3,000; repair of garage roof - \$4,000; furnace repairs - \$1,000; partial interior painting - \$1,500; kitchen, pantry, and laundry room renovation - \$59,600; renovation of three bathrooms - \$52,500; overhead, supervision, and inspection - \$12,000; minor improvements incidental to kitchen and bathroom repair projects - \$3,000.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>OTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
PANAMA						
Quarry Heights						
Quarters # 1	3,865	no	1914	\$61,450	-	-

Maintenance and repairs include service orders - \$5,200; recurring maintenance and change of occupancy - \$8,750; interior painting - \$3000; kitchen floor replacement - \$1,100; replacement of wooden structural members and supports - \$12,000; replacement of exterior wooden siding - \$13,300; repair replacement of bathroom fixtures - \$1,600; replacement of domestic hot water heaters and coolers - \$3,100; replacement of interior staircase - \$7,000; replacement of storage room roof and rafters - \$5,100; grounds maintenance - \$1,300.

With the exception of Quarters 26 Rheinstrasse, Heidelberg, no other quarters located in Germany were included in this budget submission, pending final basing plans. The

* Army will submit separately *
 * notification should it become *
 * necessary to perform maintenance *
 * and repairs exceeding \$25,000 in any *
 quarters during FY 94. It is our
 strategy to make investments only in
 those family quarters that are supported
 by long-term stationing plans.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
REIMBURSABLE AUTHORITY

<u>(\$ In Thousands)</u>	
FY 1994 Program	\$18,000
FY 1993 Current Est	\$16,000

The reimbursable program provides for the collection of costs for utilities and services, annual routine maintenance and repair, rents associated with the use of government housing and trailer pads by authorized occupants, and damages caused by occupant negligence.

The following chart shows the source of receipts for the family housing account.

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Non-Federal Sources	10,800	10,800	12,800
Other Defense Agencies	3,200	3,200	3,200
Non-Defense Agencies	2,000	2,000	2,000

April 1993

ARMY FAMILY HOUSING
FISCAL YEAR 1994 LEASING PROGRAM

<u>(\$ In Thousands)</u>	
FY 1994 Program	\$268,139
FY 1993 Current Est	\$358,241

PURPOSE AND SCOPE

The purpose of the family housing leasing program is to provide housing at both domestic and foreign locations when the local economy cannot provide adequate support and additional assets are needed to satisfy a housing deficit. The leasing program is authorized by 10 U.S.C. 2828 and provides for the payment of rent and operation and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities, refuse collection, and maintenance when these services are not part of the contract agreement.

The Army continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. In high cost areas and overseas, the Army relies extensively on the leasing program to obtain housing at prices service members can afford.

PROGRAM SUMMARY

Authorization is requested for the appropriation of \$268,139,000 to fund leases and related expenses in FY 94. A summary of the leasing program follows:

	FY 92		FY 93		FY 94	
	Lease Authorizations	Cost \$000	Lease Authorizations	Cost \$000	Lease Authorizations	Cost \$000
Domestic Leases	3,334	6,382	3,334	31,889	3,334	8,996
Section 2835	4,280	57,238	4,280	58,966	4,280	60,819
Foreign Leases	39,826	328,922	39,826	267,386	39,826	198,324
TOTAL	47,440	\$392,542	47,440	\$358,241	47,440	\$268,139

Funds are required for the average number of units to be occupied during each fiscal year (determined by dividing by 12 the number of lease months occupied) as follows:

	Average No. of Units	Average No. of Units	Average No. of Units
	FY 92	FY 93	FY 94
Domestic	572	3,045	745
Section 2835	4,098	4,280	4,280
Foreign	16,643	13,053	10,667
GRHP	6,138	3,822	3,422
TOTAL	27,451	24,200	19,114

JUSTIFICATION:

Domestic Leasing: The domestic leasing program provides temporary housing for Army families pending availability of permanent housing. For example, Oahu's leasing program will provide interim relief for service members assigned to this location pending completion of AFH construction programs on the Island. The average number of domestic leases is programmed to peak in FY 93 to accommodate the great number of Army personnel returning from Europe and other locations.

Section 2835 (Formerly Section 801): The Army has implemented the domestic build-to-lease program at eight installations. Under this program the Army leases family housing units from a contractor for up to 20 years. The units are then assigned as military housing to soldiers and their families. This program is helping to reduce our CONUS family housing deficit at sites where Army families are the most seriously affected by housing shortages. Funds are requested to continue payment of lease costs and operation and maintenance expenses. FY 94 budget will support 4,280 occupied units.

Foreign Leasing: The FY 94 foreign leasing program request consists of 14,089 foreign leases, to include 3,422 units for the Government Rental Housing Program (GRHP) in the European Theater, at the currency rate of 1.65DM = \$1.00. Lease extensions are approved on a year-to-year basis.

Governmental Rental Housing Program (GRHP): Under GRHP, the U.S. Government leases existing individual housing units in Europe. There is no construction period as with the build-to-lease projects. The Army negotiates, executes and manages the lease contracts; assuming responsibility for all costs (deposits, rent, utilities, maintenance and services); and paying for damage claims (Army recovering from soldiers). The soldier forfeits all housing allowances and agrees to occupy off-post housing for the entire tour. The lease is terminated when the soldier's tour ends. This program allows soldiers to be housed quickly, without large out-of-pocket expenses.

RECONCILIATION OF INCREASES AND DECREASES

	(\$M)
1. FY 1993 President's Budget Request	\$358.2
2. FY 1993 Appropriated Amount	358.2
3. FY 1993 Current Estimate	358.2
4. Program Decreases	90.1
a. Reduction in domestic leasing (-21.0)	
b. Reduction in foreign leasing (-69.1)	
5. FY 1994 Budget Estimate	268.1

Rationale for Changes in the Leasing Account

Program decreases reflect the impact of troop reductions and realignments.

The types of Army family housing used in each locality depend upon available assets, often a mix of private rentals, government-owned, and leases; therefore, full authorization is required to allow for sufficient flexibility.

Following is a summary of authorizations and funds required:

ARMY FAMILY HOUSING
FISCAL YEAR 1994
LEASING PROGRAM

	FY 92		FY 93		FY 94	
	Units	Months	Units	Months	Units	Months
	Authorized	Purchsd	Authorized	Purchsd	Authorized	Purchsd
		(\$000)				(\$000)
DOMESTIC LEASING						
Ft Campbell, KY	95	864	345	4,140	345	4,140
Ft Hood, TX	220	1,800	220	1,200	220	0
Griffiss AFB, NY	100	1,200	0	0	0	0
Los Angeles Basin, CA	0	0	100	1,200	150	1,800
Oahu Consol FH Ofc, HI	250	3,000	250	3,000	250	3,000
Contingency Allocations	2,669		2,419	27,000	2,369	0
Subtotal Domestic Leasing	3,334	6,864	3,334	36,540	3,334	8,940
Section 2835 (801)	4,280	49,176	4,280	51,360	4,280	51,360
Total Domestic Leasing	<u>7,614</u>	<u>56,040</u>	<u>7,614</u>	<u>87,900</u>	<u>7,614</u>	<u>60,300</u>
		<u>\$63,620</u>		<u>\$90,855</u>		<u>\$69,815</u>
FOREIGN LEASING						
EUUSA						
Korea	1,694	12,960	1,694	15,048	1,694	15,048
USARSO						
Panama	200	1,200	200	840	200	840
USAREUR						
Belgium	258	3,096	268	3,216	285	3,420
Germany	17,245	167,820	17,235	126,120	17,218	97,320
Greece	1	12	1	12	1	0
Italy	856	10,272	856	8,472	856	8,400
Netherlands	320	3,840	320	2,460	320	2,424
Turkey	17	132	17	173	17	132
Subtotal	18,697	185,172	18,697	140,412	18,697	111,696
Govt Rental Hsg Prgm, Eur	19,200	73,656	19,200	45,864	19,200	41,064
USAREUR Total	37,897	258,828	37,897	186,276	37,897	152,760
		306,918		244,526		176,301

ARMY FAMILY HOUSING
FISCAL YEAR 1994
LEASING PROGRAM

	FY 92		FY 93		FY 94	
	Units Authorized	Months Purchsd (\$000)	Units Authorized	Months Purchsd (\$000)	Units Authorized	Months Purchsd (\$000)
<u>FOREIGN AREA OFFICERS</u>						
Bangladesh	2	24	2	24	2	24
Botswana	1	12	1	12	1	12
Budapest	1	34	0	0	0	0
Cameroun	2	37	2	12	2	24
Czech(Prague)	1	12	1	12	1	12
Egypt	2	40	2	24	2	24
India	1	12	1	12	1	12
Indonesia	1	26	1	12	1	12
Israel	1	34	2	24	2	24
Ivory Coast	2	24	2	12	1	12
Jordan	6	85	6	48	3	36
Korea	0	0	0	0	2	16
Malawi	1	34	1	12	1	12
Morocco	2	52	2	24	2	24
Netherlands	0	0	1	0	2	24
Niger	1	30	1	12	1	12
Pakistan	4	63	4	48	4	48
Portugal	0	0	1	0	1	12
Senegal	0	0	0	0	0	0
Sudan	2	47	0	0	0	0
Tunisia	1	20	1	12	1	12
Turkey	1	12	1	0	1	12
Yugoslavia	1	20	1	12	1	12
Zaire	2	40	2	24	2	24
Zimbabwe	0	0	0	0	1	12
DAMO Total	35	384	35	336	35	420
Total Foreign Leasing	<u>39,826</u>	<u>273,372</u>	<u>39,826</u>	<u>202,500</u>	<u>39,826</u>	<u>169,068</u>
TOTAL LEASING PROGRAM	<u>47,440</u>	<u>329,412</u>	<u>47,440</u>	<u>290,400</u>	<u>47,440</u>	<u>229,368</u>
		<u>328,922</u>		<u>267,386</u>		<u>198,324</u>
		<u>352,542</u>		<u>358,241</u>		<u>268,139</u>

ARMY FAMILY HOUSING
 FY 94 Section 2835 (801) Family Housing Summary
 (Dollars in Thousands)

Location	No. of Units	FY of Initial Auth	Date of Award	Date of Full Occup	Total Annual Cost	FY 93		FY 94		FY 94 Approp Request
						Cost	Units	Cost	Units	
Ft Polk, LA	300	84	Dec 85	Nov 87	2,820	2,820	300	2,820	300	2,820
Ft Hood, TX	300	84	Mar 86	Jun 88	2,541	2,541	300	2,541	300	2,541
Ft Drum NY	1,400	85	Aug 85	Dec 87	18,016	17,927	1,400	18,016	1,400	18,016
Ft Wainwright, AK	400	85	Jan 86	Oct 87	12,620	12,000	400	12,620	400	12,620
Ft Polk, LA	300	86	Sep 86	Jun 88	2,820	2,820	300	2,820	300	2,820
Ft Drum, NY	300	86	Sep 86	Jun 88	3,860	3,842	300	3,860	300	3,860
Ft Wainwright, AK	150	87	May 88	Nov 89	4,733	4,500	150	4,733	150	4,733
FT Drum, NY	300	87	May 88	May 89	3,860	3,841	300	3,860	300	3,860
Ft Bliss, TX	150	87	Sep 89	Jun 91	1,875	1,803	150	1,875	150	1,875
Ft Bliss, TX	150	88	Sep 89	Jun 91	1,875	1,803	150	1,875	150	1,875
Ft McCoy, WI	80	88	Sep 89	Feb 92	1,373	1,361	80	1,373	80	1,373
Ft Bragg, NC	250	88	Sep 91	May 93	2,633	2,227	250	2,633	250	2,633
Ft Stewart, GA	200	88	Sep 91	Apr 93	1,793	1,481	200	1,793	200	1,793
TOTAL	4,280	NA	NA	NA	60,818	58,966	4,280	60,818	4,280	\$60,819

ARMY FAMILY HOUSING
FY 94 Summary Sheet for High Cost Leases

<u>COUNTRY</u>	<u>LEASES</u>	<u>HIGH COST LEASES</u>	<u>FOREIGN CURRENCY</u>	<u>FY88</u>	<u>FY94</u>	<u>ADJUSTED** FY 94 CAP</u>
Belgium	285	19	Franc	42,770	33,720	\$25,368
Germany	8,110	1	Deutsche Mark	2,060	1,650	\$24,970
Italy	700	3	Lira	1,423,000	1,234,110	\$23,061
Ivory Coast	1	1	Central	291,000	261,000 *	\$22,299
Netherlands	202	3	Guilder	2,330	1,850	\$25,189

*Source of rate information - Department of State.

** The adjusted high cost cap is determined by multiplying \$20K times the FY 88 exchange rate divided by the FY 94 exchange rate. Leases exceeding this cap are counted against the number of high cost leases allowed.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
DEBT PAYMENT

(\$ In Thousands)	
FY 1994 Program	\$429
FY 1993 Current Est	\$177

Purpose and Scope

This program includes payment of mortgage principal, interest, and other expenses on remaining indebtedness for acquired Wherry housing and payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel for housing purchased by them.

Program Summary

Authorization is required for the appropriation of \$429,000 in FY 1994 for the following:

WHERRY HOUSING

This program includes payments of mortgage principal, interest and other expenses related to Wherry Housing. The FY 1994 budget includes \$412,000 for payoff on the one remaining mortgage at Ft. Huachuca, AZ. Although the scheduled payoff date is 1 January 1997, paying off the mortgage at this time will result in a savings of \$31,000 in interest payments alone, plus costs involved in various recordkeeping transactions on this mortgage. A summary of debt payment requirements for Wherry Housing is listed separately.

SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

This program provides for the payment of premiums due on mortgage insurance provided by the Federal Housing Administration for housing mortgages purchased by active duty military personnel. Also, it continues payments for cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. Payments extend for a period of two years after death or until the widow disposes of the property, whichever occurs first. The premium rate is 1/2 of 1 percent of the unpaid balance of the mortgage. The Department of Housing and Urban Development stopped processing applications for servicemen's mortgage insurance premiums as of 31 March 1980 with the discontinuance of Section 222 of the Housing Act.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
DEBT PAYMENT

TOA:	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Interest and Other Expenses			
Wherry	<u>26</u>	<u>32</u>	<u>6</u>
SUBTOTAL	26	32	6
Mortgage Insurance Premiums			
Servicemen's	18	18	11
SUBTOTAL			
Total Obligating Authority	44	50	17
FINANCING ADJUSTMENTS:	0	0	0
BUDGET AUTHORITY:	44	50	17
BUDGET AUTHORITY:			
Appropriation:	169	177	429
Portion Applied to Debt Reduction:			
Wherry	<u>125</u>	<u>127</u>	<u>412</u>
SUBTOTAL	125	127	412
Appropriation (Adjusted)	44	50	17
FY 1994			
Appropriation Recapitulation			
Wherry (Payoff)			418
Servicemen's Mortgage Insurance Premiums			<u>11</u>
TOTAL			429

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
ANALYSIS OF WHERRY HOUSING
(\$000)

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Total Debt Incurred	154,892	154,892	154,892
Debt retired prior years	154,228	154,353	154,480
Unpaid balance beginning of year	664	539	412
Estimated Debt retired during year (principle payments)	125	127	412
Estimated interest payments during year	26	32	6
Unpaid balance end of year	539	412	0
Number of mortgages outstanding beginning of year	1	1	0
Number of mortgages outstanding end of year	1	1	0

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
DEBT PAYMENT
SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

<u>FISCAL YEAR</u>	<u>MORTGAGES ON HAND</u>	<u>ESTIMATED TERMINATIONS</u>	(\$ 000)	
			<u>ESTIMATED AVERAGE PAYMENT</u>	<u>ESTIMATED PAYMENT FOR YEAR</u>
1991	420	229	45	18
1992	191	19	94	18
1993	172	17	104	18
1994	155	16	71	11

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PART III HOMEOWNERS ASSISTANCE

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	PROGRAM SUMMARY.....	3
	PROGRAM FINANCIAL STATEMENT	4
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April 1993

HOMEOWNERS ASSISTANCE FUND, DEFENSE(In Thousands)

FY 1992 Actual	\$ 27,471
FY 1993 Estimate	\$138,000
FY 1994 Estimate	\$151,400

Program and Scope

This fund finances the program for providing assistance to homeowners by reducing their losses incident to the disposal of their homes when the military installations at or near where they are serving or employed are ordered to be closed or the scope of operations is reduced. It was established in recognition of the fact that base closure and reduction actions can have serious economic effects on local communities. Military, federal civilian personnel and Non-appropriated Fund employees, who are required to relocate as a result of or during such actions, frequently cannot dispose of their homes under reasonable terms and conditions, and suffer severe financial hardship.

In order to determine the affect of the closure or reduction action on local communities, a Market Impact Study (MIS) is performed. The MIS addresses market conditions and overall economic conditions relative to the closure or reduction action, and includes appraisal of area properties before and after the announcement. Factors in determining market impact include: a significant decline in real estate market value; significant increases in inventory of unsold houses, average number of days on the market; foreclosures; decrease in home sales; and inability of affected personnel to sell homes for the amount of the existing mortgage. If the MIS demonstrates sufficient impact on the market and establishes a causal relationship, a program is approved. Eligible applicants may be reimbursed for certain losses resulting from the sale of their home.

Benefits under the program include payment of partial compensation for losses sustained in the private sale of the dwelling; payment of the costs of a judicial foreclosure of a mortgage; or purchase of dwelling by liquidating or assuming the outstanding mortgage. Although the program provides for acquisition of dwellings, the Government does so only for the accommodation of the applicant. The homes are then resold by the Government. Every effort is made to insure that each applicant is treated equally and receives the maximum benefits under the law as rapidly as practicable, but with a minimum expenditure of time and money for administration.

Program Summary

The FY 1994 budget requests \$151.4 million in appropriation budget authority. This represents an increase of \$13 million over the FY 1993 funded program. Program increases are the result of the additional bases and installations approved for closures and realignments. Future base closure actions will continue to have a significant impact on this account.

The fund is not a profit-making endeavor. Even though the proceeds from the sale of homes are returned to the fund, this revenue does not totally replenish it nor fund the projected requirements. Since the Homeowners Assistance Fund is not self-sustaining, appropriated funds are required to maintain its solvency as a contingency fund. The FY 1994 budget request of \$151.4 million, is necessary to complete current programs, fund programs generated by realignments that do not require Congressional approval and fund programs generated by the 1991 Base Realignment and Closure Announcements (BRAC II).

The Homeowners Assistance Fund, Defense (HOA) is a non-expiring revolving fund. As shown on the Program Financial Summary chart, the fund receives funding from several sources: appropriations, borrowing authority, reimbursable authority, prior fiscal year unobligated balances, revenue from resale of acquired properties, and recovery of prior year obligations. Program expenses include payments to homeowners for losses on private sale; cost of a judicial foreclosure; property acquisition by liquidating and/or assuming the outstanding mortgage; partial payment of homeowners' lost equity on government acquisitions; retirement of debt after sale of properties on which the government had assumed the mortgage; and administrative expenses.

Many factors and circumstances influence the residential real estate market nationwide and HAP financial requirements. These influences are sensitive and unpredictable. The Budget Enforcement Act of 1990 (BEA) changed the way borrowing authority is scored in the budget. HAP has standing indefinite authority to assume mortgages and exercise borrowing authority. Although this may still be used, due to the BEA, the caps on spending in the mandatory federal budget accounts cannot be exceeded without the potential for a sequester action. Consequently, borrowing authority can only be used in the amount anticipated and scored in the budget.

The chart below is a summary of the funding for the FY 1992, FY 1993 and FY 1994

PROGRAM FINANCIAL SUMMARY

	ACTUAL FY 1992	FY 1993	FY 1994
HOMEOWNERS ASSISTANCE FUND, DEFENSE			
I. PROGRAM RESOURCES			
New Appropriation Requested	84,000,000	133,000,000	151,400,000
Indefinite Borrowing Authority	0	5,000,000	0
Total Budget Authority Requested	84,000,000	138,000,000	151,400,000
II. REIMBURSABLE RESOURCES			
Reimbursable Authority	1,000	0	0
III. OTHER PROGRAM RESOURCES			
Prior FY Unobligated Balance Brought Forward	7,476,000	74,575,000	80,835,000
Anticipated Revenue from Sale of Real Property	11,908,000	5,500,000	20,000,000
Appropriation Transfers	0	0	0
Recovery of Prior Year Balances	32,000	0	0
IV. TOTAL PROGRAM RESOURCES	103,417,000	218,075,000	252,235,000
V. PLANNED PROGRAM EXECUTION			
Payments to Homeowners	1,587,000	7,334,000	5,755,000
Other Operating Cost	7,046,000	29,596,000	24,604,000
Acquisition of Real Property	18,839,000	91,070,000	127,393,000
Mortgages Assumed	0	5,000,000	0
Retirement of Debt - Authority Withdrawn	1,370,000	4,240,000	1,301,000
VI. TOTAL PLANNED PROGRAM EXPENSE	28,842,000	137,240,000	159,053,000
VII. ANTICIPATED EOY UNOBLIGATED			
Balance Carried Forward	74,575,000	80,835,000	93,182,000

Homeowners Asst Fund, Def.
Program and Financing (in thousands of dollars)

Identification code	97-4090-0-3-051	1982 actual	1983 est.	1984 est.
Program by activities:				
Direct program:				
01.0101	Payment to homeowners (private sale and foreclosure assistan	1,587	7,334	5,755
01.0201	Other operating costs	7,045	29,556	24,604
02.0101	Acquisition of real property	16,839	91,070	127,383
02.0201	Mortgages assumed	---	5,000	---
02.9101	Total program	27,471	133,000	157,752
03.0101	Reimbursable program	1	---	---
10.0001	Total obligations	27,472	133,000	157,752
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-1	---	---
14.0001	Non-Federal sources(-)	-11,908	-5,500	-20,000
17.0001	Recovery of prior year obligations	-32	---	---
21.9001	Unobligated balance available, start of year:	-7,476	-74,575	-80,835
24.9001	Unobligated balance, SOY: Fund balance	74,575	90,835	93,182
32.4701	Unobligated balance, EOY: Fund balance	1,370	4,240	1,301
39.0001	Balance of authority to borrow withdrawn	84,000	138,000	151,400
40.0001	Budget authority:	84,000	133,000	151,400
87.1501	Appropriation	---	5,000	---
87.1501	Authority to borrow (indefinite)	---	---	---
Relation of obligations to outlays:				
71.0001	Obligations incurred	15,563	127,500	137,752
72.9001	Obligated balance, start of year: Obligated balance, start of year, fun	4,541	8,892	93,177
74.9001	Obligated balance, end of year: Obligated balance, end of year, fund ba	-8,892	-83,177	-141,511
77.0001	Adjustments in expired accounts (net)	-1,194	---	---
78.0001	Adjustments in unexpired accounts	-32	---	---
90.0001	Outlays (net)	9,986	43,215	88,418

Homeowners Assat Fund, Def.
Object Classification (in Thousands of dollars)

548

Identification code	97-4090-0-3-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.801	Special personal services payments	1,600	5,654	10,474
121.001	Travel and transportation of persons	227	180	881
Other services:				
125.204	Other	5,218	18,762	76,969
132.001	Land and structures	18,839	101,070	63,993
142.001	Insurance claims and indemnities	1,587	7,324	8,755
199.001	Total Direct obligations	27,471	133,000	157,752
Reimbursable obligations:				
Other services:				
225.204	Other	1	1	1
299.001	Total Reimbursable obligations	1	1	1
999.901	Total obligations	27,472	133,000	157,752

FY 1994 BUDGET ESTIMATES

APRIL 1993

ARMY NATIONAL GUARD



MILITARY CONSTRUCTION PROGRAM FY 1994

JUSTIFICATION DATA SUBMISSION TO CONGRESS

DEPARTMENT OF THE ARMY

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SUMMARY PROJECT LIST
 MAJOR MILITARY CONSTRUCTION ARMY NATIONAL GUARD
 FISCAL YEAR 1994
 (DOLLARS IN THOUSANDS)

<u>STATE</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE</u>
<u>INSIDE THE UNITED STATES</u>				
ALABAMA	EGLIN AFB (FLORIDA) MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	3,825	3,825	3
	MOBILE ORGANIZATIONAL MAINTENANCE SHOP ADDITION	<u>502</u>	<u>502</u>	11
	STATE TOTAL	4,327	4,327	
	ARKANSAS	CAMP ROBINSON (NORTH LITTLE ROCK) TRAINING SITE UTILITIES RENOVATION	1,275	1,275
	ARMORY	3,205	3,205	19
	SANITARY SEWER IMPROVEMENT	4,223	4,223	25
	MODIFIED RECORD FIRE RANGE	<u>907</u>	<u>907</u>	29
	STATE TOTAL	9,610	9,610	
HAWAII	KAUAI KNOWN DISTANCE RANGE UPGRADE	<u>334</u>	<u>334</u>	120
	STATE TOTAL	334	334	
IDAHO	GOWEN FIELD (BOISE) COMBAT VEHICLE TRANSITION COMPLEX	5,044	5,044	33
	USPFO ADMIN OFFICE & WAREHOUSE ADD	1,391	1,391	37
	HOMEDALE ARMORY	<u>1,157</u>	<u>1,157</u>	43
	STATE TOTAL	7,592	7,592	

<u>STATE</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE</u>
INDIANA	ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH) INFANTRY SQUAD BATTLE COURSE (RETS)	1,156	1,156	47
	MODIFIED RECORD FIRE RANGE (RETS), UPGRADE	<u>654</u>	<u>654</u>	51
	STATE TOTAL	1,810	1,810	
MAINE	NORWAY ARMORY EXPANSION/REHAB	<u>1,380</u>	<u>1,380</u>	55
	STATE TOTAL	1,380	1,380	
MARYLAND	TOWSON ARMORY ALTER/ADDITION	<u>2,823</u>	<u>2,823</u>	61
	STATE TOTAL	2,823	2,823	
MINNESOTA	CAMP RIPLEY (LITTLE FALLS) MULTI PURPOSE RANGE COMPLEX (HEAVY) (RETS)	3,185	3,185	65
	ORGANIZATIONAL MAINTENANCE SHOPS	<u>2,625</u>	<u>2,625</u>	73
	STATE TOTAL	5,810	5,810	
MISSOURI	FORT CROWDER TROOP MEDICAL TRAINING FACILITY	<u>386</u>	<u>386</u>	120
	STATE TOTAL	386	386	
MONTANA	FORT HARRISON (HELENA) MEDICAL UNIT TRAINING FACILITY	<u>501</u>	<u>501</u>	77
	STATE TOTAL	501	501	

<u>STATE</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE</u>
NORTH CAROLINA	FAYETTEVILLE ORGANIZATIONAL MAINTENANCE SHOP	<u>473</u>	<u>473</u>	81
	STATE TOTAL	473	473	
NORTH DAKOTA	BISMARCK AVIATION C-12 HANGAR	1,297	1,297	85
	CAMP GRAFTON (DEVILS LAKE) MODIFIED RECORD FIRE RANGE (RETS)	1,038	1,038	89
	HEATING PLANT ADDITION	<u>1,826</u>	<u>1,826</u>	93
	STATE TOTAL	4,161	4,161	
UTAH	CAMP WILLIAMS (LEHI) INFANTRY SQUAD BATTLE COURSE (RETS)	1,066	1,066	99
	MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE	<u>850</u>	<u>850</u>	103
	STATE TOTAL	1,916	1,916	
VARIOUS	VARIOUS/WORLDWIDE LOCATIONS ARMORY UNIT STORAGE BUILDINGS	750	750	105
	INDOOR RANGE MODERNIZATION	<u>637</u>	<u>637</u>	107
	STATE TOTAL	1,387	1,387	
VERMONT	CAMP JOHNSON (COLCHESTER) ORGANIZATIONAL MAINTENANCE SHOP	1,002	1,002	113
	ETHAN ALLEN TRAINING SITE, SUPPORT FACILITY	<u>304</u>	<u>304</u>	120
	STATE TOTAL	1,306	1,306	

<u>STATE</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE</u>
WASHINGTON	YAKIMA TRAINING CENTER (YAKIMA) MODIFIED MACHINE GUN RIFLE/ RANGE (RETS)	<u>1,527</u>	<u>1,527</u>	117
	STATE TOTAL	1,527	1,527	
TOTAL MAJOR CONSTRUCTION		45,343	45,343	
SUPPORT:				
	PLANNING AND DESIGN	522	522	121
	MINOR CONSTRUCTION	<u>5,000</u>	<u>5,000</u>	123
	SUBTOTAL SUPPORT	5,522	5,522	
GRAND TOTAL AUTHORIZATION/APPROPRIATIONS		50,865	50,865	

NEW MISSION / CURRENT MISSION
FISCAL YEAR 1994

<u>Location</u>	<u>Project</u>	<u>Cost (\$000)</u>	<u>New/ Current</u>
Eglin AFB (Florida), AL Mobile, AL	Multipurpose Range	3,825	C
	Complex (MPRC) Upgrade		
	Organizational	502	C
Camp Robinson (N. Little Rock), AR	Maintenance Shop Add		
	Training Site, Utilities	1,275	C
	Renovation		
Kauai, HI Gowen Field, (Boise), ID Homedale, ID Atterbury ARFTA, (Edinburgh), IN	Armory	3,205	N
	Sanitary Sewer Improv	4,223	C
	Modified Record Fire Range	907	C
	Known Distance Range Upg	334	C
	Combat Vehicle Trans Cmplx	5,044	N
Norway, ME Towson, MD Camp Ripley (Little Falls), MN	USPFO Admin Ofc & Whse Add	1,391	C
	Armory	1,157	C
	Infantry Squad Battle	1,156	C
	Course (RETS)		
	Modified Record Fire	654	C
Fort Crowder, MO Fort Harrison (Helena), MT Fayetteville, NC	Range (RETS) Upgrade		
	Armory Expan/Rehab	1,380	C
	Armory Alt/Add	2,823	N
Bismarck, ND Camp Grafton (Devils Lake), ND	Multi Purpose Range	3,185	C
	Complex (Heavy) (RETS)		
	OMSs	2,625	C
Camp Williams (Lehi), UT Camp Johnson (Colchester), VT Ethan Allen, VT Yakima Tng Ctr (Yakima), WA	Troop Medical Tng Facil	386	C
	Medical Unit Tng Facil	501	C
	Organizational Maint	473	C
Camp Johnson (Colchester), VT Ethan Allen, VT Yakima Tng Ctr (Yakima), WA	Shop		
	Aviation, C-12 Hanger	1,297	N
	Modified Record Fire	1,038	C
Camp Johnson (Colchester), VT Ethan Allen, VT Yakima Tng Ctr (Yakima), WA	Range (RETS)		
	Heating Plant Addition	1,826	C
	Infantry Squad Battle Crse	1,066	C
Camp Johnson (Colchester), VT Ethan Allen, VT Yakima Tng Ctr (Yakima), WA	MOUT Assault Course	850	C
	Organizational Maint	1,002	C
	Shop		
Camp Johnson (Colchester), VT Ethan Allen, VT Yakima Tng Ctr (Yakima), WA	Train Site, Support Facil	304	C
	Modified Machine Gun /	1,527	C
	Rifle/Range (RETS)		

Recapitulation:

Total New Mission	12,369
Total Current Mission	31,587
Total Various Locations (Armory Unit Storage Buildings)	750
Total Various Locations (Indoor Range Modernization)	637
Total Planning & Design	522
Total Minor Construction	<u>5,000</u>
Grand Total	50,865

DEPARTMENT OF THE ARMY

JUSTIFICATION OF ESTIMATES FOR 1994

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY NATIONAL GUARD

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army National Guard, as authorized by Chapter 133 of Title 10, United States Code, as amended, and the Reserve Forces Facilities Act \$ 50,865,000 (\$214,989,000) (1)(2) to remain available until 30 September 1998 (30 September 1997).

Section 2 - EXPLANATION OF LANGUAGE

- (1) Insertion of the FY 94 budget request.
- (2) Deletion of the FY.93 appropriation.

MIL. CON., Army National Guard
Program and Financing (in Thousands of dollars) SUMMARY

Budget Plan (amounts For MILITARY
CONSTRUCTION actions programmed)

	1992 actual	1993 est.	1994 est.
210,717	204,489	45,343	
12,300	5,000	5,000	
230,517	214,989	50,865	
230,517	214,989	50,865	

Identification code 21-2085-0-1-051

Program by activities:

00.0101	Major construction	210,717
00.0201	Minor construction	12,300
00.0301	Planning	700
00.9101	Total direct program	230,517
10.0001	Total	230,517

Financing:

17.0001	Recovery of prior year obligations	
21.4002	Unobligated balance available, start of year:	
	For completion of prior year budget plans	
21.4008	Recovery of prior year budget plans	-5,018
	Unobligated balance available, end of year:	
24.4002	For completion of prior year budget plans	757
25.0001	Unobligated balance expiring	
40.0001	Budget authority (Appropriation)	226,256

Relation of obligations to outlays:

71.0001	Obligations incurred	214,989
72.4001	Obligated balance, start of year	
74.4001	Obligated balance, end of year	
77.0001	Adjustments in expired accounts (net)	
78.0001	Adjustments in unexpired accounts	
90.0001	Outlays (net)	50,865

Mil. Con., Army National Guard
 Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-2085-0-1-051		Obligations	
	1992 actual	1993 est.	1994 est.	
Program by activities:				
Direct program:				
00.0101 Major construction	220,882	349,714	140,164	
00.0201 Minor construction	9,027	8,073	4,170	
00.0301 Planning	7,114	12,886	2,072	
00.9101 Total direct program	237,023	370,473	146,406	
10.0001 Total	237,023	370,473	146,406	
Financing:				
17.0001 Recovery of prior year obligations	-14,363			
21.4002 Unobligated balance available, start of year:				
For completion of prior year budget plans	-306,252	-309,090	-153,606	
21.4009 Reprogramming from/prior year budget plans				
Unobligated balance available, end of year:				
24.4002 For completion of prior year budget plans	309,090	153,606	58,065	
25.0001 Unobligated balance expiring	757			
40.0001 Budget authority (Appropriation)	226,256	214,989	50,865	
Relation of obligations to outlays:				
71.0001 Obligations incurred	237,023	370,473	146,406	
72.0001 Obligated balance, start of year	281,048	263,814	325,169	
73.0001 Obligated balance, end of year	-263,814	-329,169	-207,175	
77.0001 Adjustments in expired accounts (net)	-528			
78.0001 Adjustments in unexpired accounts	-14,363			
90.0001 Outlays (net)	239,366	305,118	268,400	

Mil. Con.. Army National Guard
 Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2085-0-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
111.501	Personnel compensation:	31		
	Other personnel compensation	8,129	3,531	1,628
125.204	Other services:		11	12
126.001	Supplies and materials		28	9
131.001	Equipment	230,683	389,903	144,761
132.001	Land and structures			
		237,023	370,473	146,406
199.001	Total Direct obligations			
		237,023	370,473	146,406
999.901	Total obligations			

SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT: The military construction projects proposed in the program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution programs at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY CONSERVATION: Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy savings devices. Projects are designed for minimum energy consumption.

FLOOD PLAIN MANAGEMENT AND WETLANDS PROTECTION: Proposed land acquisition disposition, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order No. 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL: In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PRESERVATION OF HISTORICAL SITES AND STRUCTURES: Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places except as noted on DD Form 1391.

USE OF EXCESS SCHOOLS AND OTHER BUILDINGS: Considerations were made to utilize available commercial or academic buildings but none were found suitable.

ENVIRONMENTAL PROTECTION: In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

ECONOMIC ANALYSIS: Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

NON-MILCON CONSTRUCTION: \$71.0 Million in the FY 94 Real Property Operations and Maintenance program will maintain 27,969,546 SF in 4,962 logistical support buildings. Furthermore, it supports 263 training sites (12,423 buildings totaling 36,268,171 SF) in the 54 states, territories and commonwealths used by the ARNG, and other DOD component forces. The funding is dedicated to Annual Recurring Requirements of \$69.2 Million and routine or emergency maintenance and repair projects of approximately \$36.8 Million. No funding is dedicated to the containment and reduction of Backlog of Maintenance and Repair (BMAR). BMAR will grow from \$113.1 Million in FY 93 to a projected \$153.9 Million in FY 94.

LONG-TERM FACILITIES CONTRACTS: The National Guard does not have any long-term facilities contracts.

CONSTRUCTION CRITERIA: Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

AREA COST FACTOR: Area Cost Factor (ACF) indexes displayed for each appropriate area were developed from State and historical construction cost records and may not directly collate with specific cost factors developed by the U.S. Army Corps of Engineers for Service-wide use.

RESERVE MANPOWER POTENTIAL: The Reserve manpower potential to meet and maintain authorized strengths of all Reserve units in the areas where units are to be located has been reviewed in accordance with the procedures described in DoD Directive 1225.7. It has been determined, in coordination with the other Military Departments having Reserve units in the area, that the number of Reserve Components presently located in the area, and those units having been allocated to this area for future activation, is not and shall not be larger than the number that reasonably may be maintained at authorized strength.

RESOLUTION TRUST CORPORATION PROPERTY: Requested construction projects have been reviewed, consistent to the Senate Armed Services Committee Report on the National Defense Authorization Act for FY 1991, for cost effective utilization of properties to be disposed of by the Resolution Trust Corporation (Trust). It was determined that weapons firing ranges, troop support facilities and expansions to facilities on existing State or Federal troop training sites would not be compatible with the types of available Trust owned facilities and therefore not considered as a cost effective investment. Similarly, expansions required to existing State owned facilities would not be amenable to a program of acquiring Trust owned buildings because of the additional costs involved to both the State and Federal governments for relocating the assigned units or military function. Requirements for replacement facilities non-collated on an active training site have been studied in detail and determined that either no Trust owned facilities are available in the community or acquisition would not be cost effective compared to the requested construction.

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 21 OCT 92		
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA		4. AREA CONSTR COST INDEX 83.9			
5. FREQUENCY AND TYPE UTILIZATION EGLIN TRAINING SITE IS APPROVED FOR YEAR ROUND USE, IDT AND ANNUAL TRAINING SUPPORTING THE ARNG OF ALABAMA AND PROPOSED NUMEROUS OTHER STATES. THIS FACILITY IS UTILIZED FOR ANNUAL TRAINING AND IDT TRAINING EVERY YEAR.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS THIS TRAINING SITE IS LOCATED ON RANGE B-75, EGLIN AFB, FLORIDA AND THERE ARE NO OTHER LIKE FACILITIES WITHIN A 25 MILE RADIUS.					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
179	MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	2 LANES	3,825	06/88	08/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.				7 OCT 92 (Date)	
9. LAND ACQUISITION REQUIRED				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS NONE					
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".					

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE A 793	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT</u>		<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE</u>	
		<u>OFFICER</u>	<u>ENLISTED</u>			<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	<u>20</u>	_____	_____	<u>20</u>	<u>5755</u>	_____	_____
ACTUAL	<u>20</u>	_____	_____	<u>20</u>	<u>5597</u>	_____	_____
12. RESERVE UNIT DATA							
UNIT DESIGNATION					STRENGTH		
ARMOR, INFANTRY, ENGINEER AND SPECIAL FORCES UNITS					AUTHORIZED	ACTUAL	
					5755	5597	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
N/A							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(#000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

2

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE			
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA				4. PROJECT TITLE MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 010088		8. PROJECT COST (\$000) 3,825			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....								2,655
RANGE (TWO LANES).....					LS	-	-	(2,655)
SUPPORTING FACILITIES.....								916
SITE PREPARATION.....					AC	185	375.00	(69)
FINE GRADING & SEEDING.....					AC	74	1200.00	(89)
LANE/SAFETY MARKERS.....					LS	-	-	(3)
BRIEFING/INST BUILDING/LATRINE.....					SF	992	45.00	(45)
AMMO HANDLING FACILITY/CONCRETE SLAB.....					LS	-	-	(58)
UTILITIES: COMMUNICATIONS/WATER MAIN.....					LS	-	-	(19)
ROADS/TURNING PAD/TANK TRAILS.....					LS	-	-	(633)
SUBTOTAL.....								3,571
CONTINGENCY (5%).....								179
SUPERVISION, INSP & OVERHEAD (2.00%).....								75
TOTAL REQUEST.....								3,825
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD								(1,645)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
Construct a permanent standard design, multipurpose range complex consisting of an upgrade from one lane Remoted Target System (RETS) to three full firing lanes with range support facilities. Each lane of the range complex will have two tank trail, four armor moving targets, 20 stationary armor, 45 stationary personnel targets, 15 moving personnel targets, 10 defilade firing positions, power and data distribution system. Range support facilities will include site preparation, fine grading and seeding, utilities, ammo building concrete slab, access and service roads.								
<u>Air Conditioning: 2 tons for control tower</u>								
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A								
PROJECT: This range allows the Training Site to more effectively support the inactive duty training (IDT) and annual training (AT) needs of the Alabama ARNG and other states who utilize the site. (Current Misaion)								
REQUIREMENT: This Multipurpose Range Complex is required by ARNG units to perform Tank Gunnery Qualification requirements as established by Forces Command (FORSCOM) Regulation 350-2. This proposal will provide for intermediate and advanced qualifications at the Crew, Section, and Platoon levels. This range will have a full RETS installed for Armor and Infantry use. It will be constructed as an upgrade, resulting in a full MPRC upon completion.								
CURRENT SITUATION: Existing facilities do not provide ranges that adequately conform to current weapons standards for gunnery Tank Tables.								

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 1993
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA		
4. PROJECT TITLE MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	5. PROJECT NUMBER 010088	
<p>11. REQUIREMENT (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> The existing range is not capable of providing current Tank Tables VIII through XII Gunnery requirements. This training shortfall requires movement of three Armor battalions and one Cavalry Squadron out of state, at high cost, to a Gunnery complex that can fulfill the annual FORSCOM requirement to qualify platoons in Tank Gunnery. This range will meet the requirements for the M-60A3 and M-1 issued to the AL ARNG.</p>		

1 COMPONENT ARRG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2 DATE APR 88								
3 INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA										
4 PROJECT TITLE MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	5. PROJECT NUMBER 010088									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started.....6/88</p> <p>(b) Percent complete as of 1 January 1993.....100%</p> <p>(c) Date Design Expected to be 35% Complete.....8/88</p> <p>(d) Date Design Completed.....8/92</p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes <u>X</u> No <u> </u></p> <p>(b) Where was Design Previously Used? <u>HNDM 1110-1-6</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) or (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications.....(0)</p> <p>(b) All Other Design Costs.....(0)</p> <p>(c) Total.....(266)</p> <p>(d) Contract.....(266)</p> <p>(e) In-House.....(0)</p> <p>(4) CONSTRUCTION START..... 6/94</p> <p>b. Equipment associated with this project which will be provided from other federal appropriations:</p> <table border="1" data-bbox="153 892 726 1001"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Remoted Target System (RETS)</td> <td>OPA</td> <td>94</td> <td>1,645</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Remoted Target System (RETS)	OPA	94	1,645
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
Remoted Target System (RETS)	OPA	94	1,645							

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 21 SEP 92	
3. INSTALLATION AND LOCATION MOBILE, ALABAMA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	PERMANENT		<u>CIVILIAN</u>	GUARD/RESERVE		
		OFFICER	ENLISTED		<u>TOTAL</u>	OFFICER	ENLISTED
AUTHORIZE	<u>27</u>	_____	_____	<u>27</u>	<u>1539</u>	<u>187</u>	<u>1352</u>
ACTUAL	<u>21</u>	_____	_____	<u>21</u>	<u>1573</u>	<u>180</u>	<u>1393</u>
12. RESERVE UNIT DATA							
					STRENGTH		
UNIT DESIGNATION					AUTHORIZED	ACTUAL	
226TH AREA SUPPORT GROUP					143	136	
UIC WTAQAA							
TPSN 31116							
HHD 161ST MEDICAL BATTALION					39	46	
UIC WP9BAA							
TPSN 32708							
129TH MEDICAL COMPANY					127	135	
UIC WP96AA							
TSPN 32752							
1127TH MEDICAL COMPANY					13	14	
UIC WTWJAA							
TSPN 37782							
CONTINUED ON PAGE 3							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
VEHICLES					393	393	
TRAILERS					<u>107</u>	<u>107</u>	
TOTAL VEHICLES					500	500	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1 COMPONENT ARNG	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1993																																									
3 INSTALLATION AND LOCATION MOBILE, ALABAMA																																											
4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION	5. PROJECT NUMBER 010068																																										
<table border="0"> <thead> <tr> <th data-bbox="171 372 621 428" rowspan="2">12. RESERVE UNIT DATA (CONTINUED) <u>UNIT DESIGNATION</u></th> <th colspan="2" data-bbox="621 393 878 411"><u>STRENGTH</u></th> </tr> <tr> <th data-bbox="621 411 774 428"><u>AUTHORIZED</u></th> <th data-bbox="774 411 878 428"><u>ACTUAL</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="171 446 621 504">COMPANY B, 1/20TH SPECIAL FORCES UIC: WTPCB0 TSPN: 25320</td> <td data-bbox="621 446 774 463">60</td> <td data-bbox="774 446 878 463">70</td> </tr> <tr> <td data-bbox="171 516 621 575">DET 1 1151ST ENGINEER DET UIC: WVGEA1 TSPN: 31600</td> <td data-bbox="621 516 774 534">24</td> <td data-bbox="774 516 878 534">33</td> </tr> <tr> <td data-bbox="171 587 621 645">640TH ORDNANCE COMPANY UIC WVRVAA TSPN 33903</td> <td data-bbox="621 587 774 605">152</td> <td data-bbox="774 587 878 605">152</td> </tr> <tr> <td data-bbox="171 657 621 716">DETACHMENT 1 540TH ORDNANCE UIC WVRVA1 TSPN 33903</td> <td data-bbox="621 657 774 675">69</td> <td data-bbox="774 657 878 675">69</td> </tr> <tr> <td data-bbox="171 728 621 786">HHC 711TH SIGNAL BATTALION UIC WQF110 TSPN 35024</td> <td data-bbox="621 728 774 746">143</td> <td data-bbox="774 728 878 746">143</td> </tr> <tr> <td data-bbox="171 799 621 857">COMPANY A 711TH SIGNAL COMPANY UIC WQF1A0 TSPN 35204</td> <td data-bbox="621 799 774 816">162</td> <td data-bbox="774 799 878 816">162</td> </tr> <tr> <td data-bbox="171 869 621 927">COMPANY B 711TH SIGNAL COMPANY UIC WQF1B0 TSPN 35204</td> <td data-bbox="621 869 774 887">101</td> <td data-bbox="774 869 878 887">108</td> </tr> <tr> <td data-bbox="171 940 621 998">DETACHMENT 1 COMPANY B 711TH UIC WQF1B1 TSPN 35204</td> <td data-bbox="621 940 774 957">61</td> <td data-bbox="774 940 878 957">67</td> </tr> <tr> <td data-bbox="171 1010 621 1068">COMPANY C 711TH SIGNAL COMPANY UIC WQF1C0 TSPN 35204</td> <td data-bbox="621 1010 774 1028">100</td> <td data-bbox="774 1010 878 1028">107</td> </tr> <tr> <td data-bbox="171 1081 621 1139">859TH SIGNAL COMPANY UIC WVROAA TSPN 35933</td> <td data-bbox="621 1081 774 1098">166</td> <td data-bbox="774 1081 878 1098">144</td> </tr> <tr> <td data-bbox="171 1151 621 1210">1133RD MEDICAL COMPANY UIC WVGEAA TSPN 32752</td> <td data-bbox="621 1151 774 1169">117</td> <td data-bbox="774 1151 878 1169">125</td> </tr> <tr> <td data-bbox="171 1222 621 1280">445TH AVIATION DETACHMENT UIC WZEKAA TSPN 30644</td> <td data-bbox="621 1222 774 1240">31</td> <td data-bbox="774 1222 878 1240">31</td> </tr> </tbody> </table>			12. RESERVE UNIT DATA (CONTINUED) <u>UNIT DESIGNATION</u>	<u>STRENGTH</u>		<u>AUTHORIZED</u>	<u>ACTUAL</u>	COMPANY B, 1/20TH SPECIAL FORCES UIC: WTPCB0 TSPN: 25320	60	70	DET 1 1151ST ENGINEER DET UIC: WVGEA1 TSPN: 31600	24	33	640TH ORDNANCE COMPANY UIC WVRVAA TSPN 33903	152	152	DETACHMENT 1 540TH ORDNANCE UIC WVRVA1 TSPN 33903	69	69	HHC 711TH SIGNAL BATTALION UIC WQF110 TSPN 35024	143	143	COMPANY A 711TH SIGNAL COMPANY UIC WQF1A0 TSPN 35204	162	162	COMPANY B 711TH SIGNAL COMPANY UIC WQF1B0 TSPN 35204	101	108	DETACHMENT 1 COMPANY B 711TH UIC WQF1B1 TSPN 35204	61	67	COMPANY C 711TH SIGNAL COMPANY UIC WQF1C0 TSPN 35204	100	107	859TH SIGNAL COMPANY UIC WVROAA TSPN 35933	166	144	1133RD MEDICAL COMPANY UIC WVGEAA TSPN 32752	117	125	445TH AVIATION DETACHMENT UIC WZEKAA TSPN 30644	31	31
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1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAY 1993
3. INSTALLATION AND LOCATION MOBILE, ALABAMA		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION	5. PROJECT NUMBER 010068	
12. RESERVE UNIT DATA (CONTINUED) <u>UNIT DESIGNATION</u>	<u>STRENGTH</u> <u>AUTHORIZED</u> <u>ACTUAL</u>	
446TH AVIATION DETACHMENT UIC WZELAA TSPN 30644	<u>31</u>	<u>31</u>
TOTAL	1539	1573

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 303	
3. INSTALLATION AND LOCATION MOBILE, ALABAMA				4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION		
5. PROGRAM ELEMENT Q505896A		6. CATEGORY CODE 214	7. PROJECT NUMBER 010068		8. PROJECT COST (\$000) 502	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....					327	
OMS ADDITION.....		SF	5,066	50.00	(253)	
OMS ALTERATION.....		SF	1,220	20.00	(24)	
UNHEATED COVERED STORAGE.....		SF	2,000	25.00	(50)	
SUPPORTING FACILITIES.....					143	
SITE PREPARATION.....		LS	-	-	(10)	
GRADING & DRAINAGE.....		LS	-	-	(6)	
RELOCATION OF LUBE RACK.....		LS	-	-	(6)	
PAVING: FLEXIBLE.....		SY	1,656	11.00	(18)	
PAVING: RIGID.....		SY	378	20.00	(8)	
FUEL STORAGE AND DISPENSING SYSTEM.....		LS	-	-	(75)	
UTILITIES.....		LS	-	-	(20)	
SUBTOTAL.....					470	
CONTINGENCY (5%).....					24	
SUPERVISION, INSP & OVERHEAD (1.60%).....					8	
TOTAL REQUEST.....					502	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD					(7)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>This proposed construction is an addition to the existing Organizational Maintenance Shops Number 28 and 29. This project involves the construction of additional workbays, covered storage, tool room, Commo/Electronics repair section, and added supply areas. The addition will be of masonry type construction with a built-up roof and concrete foundation and flooring.</p> <p><u>Air conditioning: 2 tons</u></p> <p><u>11. REQUIREMENT: 17,336 SF ADEQUATE: 9,050 SF SUBSTANDARD: 8,286 SF</u></p> <p><u>PROJECT:</u> An addition is requested for this OMS to perform organizational level maintenance on supported units Modified Table of Equipment (MTOE). (Current Mission)</p> <p><u>REQUIREMENT:</u> An addition is requested to allow the performance of organizational level maintenance on supported units MTOE equipment.</p> <p><u>CURRENT SITUATION:</u> The existing maintenance shops were constructed in 1978 and contain 9,050 SF of covered area. The existing shops have four workbays, office space, male latrine, supply, and break areas. These OMSs have a shortage of space for OMSs supporting these types and amounts of equipment. The most severe deficiencies exist in work areas, tool storage, Comm/Elect repair and female latrine.</p> <p><u>IMPACT IF NOT PROVIDED</u> Continued use of these inadequate facilities will have an adverse effect upon the performance of organizational level maintenance on supported unit's MTOE equipment. The shortage of space interferes with attainment of State and Federal maintenance objectives and the utilization of work hours at the shop. In addition, the lack of both a tool room and Comm/Elec repair area causes a problem in the security of government property.</p>						

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10/93	
3. INSTALLATION AND LOCATION MOBILE, ALABAMA			
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION		5. PROJECT NUMBER 010068	
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... 9/90			
(b) Percent complete as of 1 January 93..... 100%			
(c) Date Design Expected to be 35% Complete.. 3/91			
(d) Date Design Completed..... 5/91			
(2) BASIS:			
(a) Standard or Definitive Design - Yes ___ No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)			
(a) Production of Plans and Specifications... (<u>0</u>)			
(b) All Other Design Costs..... (<u>0</u>)			
(c) Total..... (<u>24</u>)			
(d) Contract..... (<u>24</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>10/93</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated or Requested</u>	Cost (\$000)
JSIIDS	AMSCO 5212.000	FY 94	2
Telephone Equip	AMSCO 529895.10	FY 94	2
Furnishings	AMSCO 519891.30	FY 94	3

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE ... 833
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), AR			4. AREA CONSTR COST INDEX 83.6
5. FREQUENCY AND TYPE UTILIZATION FACILITY IS USED FOR TRAINING A MINIMUM OF 48 WEEKS PER YEAR IN SUPPORT OF AR ARNG UNITS, THE PROFESSIONAL EDUCATION CENTER AND THE 11B BATTLE SKILLS COURSE. ADDITIONAL ACTIVITIES ARE ACCOMMODATED ON A SPACE AVAILABLE BASIS.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG:	CAMP ROBINSON (1.0 MILES)	BN TRP COMPLEX	102848 SF 1979
	CAMP ROBINSON (3.0 MILES)	AVN ARMORY	29210 SF 1978
	CAMP ROBINSON (0.5 MILES)	PHILLIPS ARMORY	19967 SF 1974
USAR:	N. LITTLE ROCK(0.5 MILES)	RESERVE/NAV CTR	128206 SF 1979
ARNG:	N. LITTLE ROCK(5.0 MILES)	FISHER ARMORY	24960 SF 1959
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
171	TRAINING SITE UTILITIES RENOVATION	LS	\$1,275
			DESIGN STATUS START COMPLETE
			01/90 06/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			22 OCT 92
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.			(Date)
9. LAND ACQUISITION REQUIRED			0
NONE			(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
PROJECT	FY	COST (\$000)	
MOUT COMPLEX	96	1,400	
ARMORY 100 PERSON	96	2,580	
AASF	97	6,363	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"			

1 COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2 DATE 1993	
3 INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK), ARKANSAS							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	9475	1010	8465
ACTUAL	_____	_____	_____	_____	9323	991	8332
12. RESERVE UNIT DATA							
					STRENGTH		
	UNIT DESIGNATION				AUTHORIZED		ACTUAL
	ALL ARKANSAS ARMY NATIONAL GUARD UNITS				9475		9323
13. MAJOR EQUIPMENT AND AIRCRAFT							
	TYPE				AUTHORIZED		ACTUAL
	N/A				N/A		N/A
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A.	AIR POLLUTION				NONE		
B.	WATER POLLUTION				NONE		
C.	OCCUPATIONAL SAFETY AND HEALTH				NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 11/3	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			4. PROJECT TITLE TRAINING SITE UTILITIES RENOVATION		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 050074		8. PROJECT COST (\$000) 1,275
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					
NATURAL GAS SYSTEM RENOVATION.....					532
DIST MAINS & SERVICE LINES.....		LS	-	-	(417)
ROAD BORES & REFURBISHING.....		LS	-	-	(60)
PAVEMENT REPAIRS.....		SY	330	23.50	(6)
NEW REGULATORS & VALVES.....		LS			(40)
MOVE METERING STATION.....		EA	1	9360.00	(9)
PRIMARY ELECTRICAL SYSTEM UPGRADE.....		LS			665
LOOPS.....		LS	-	-	(502)
RADIALS.....		LS	-	-	(112)
DEMOLITION.....		LS	-	-	(51)
SUBTOTAL.....					1,197
CONTINGENCY (5%).....					60
SUPERVISION, INSP & OVERHEAD (1.42%).....					18
TOTAL REQUEST.....					1,275
EQUIP PROVIDED FROM OTHER APPRNON ADD					(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Specially designed project to upgrade the existing primary electrical and natural gas distribution systems. Proposed renovations are intended provide for a safe, modern, dependable utility systems. Improvement will include all necessary safety devices to assure maximum safety.					
<u>Air Conditioning:</u> NONE					
11. <u>REQUIREMENT:</u> N/A <u>ADEQUATE:</u> N/A <u>SUBSTANDARD:</u> N/A					
<u>PROJECT:</u> To provide an adequate gas and electrical utility system. Consists of the installation of new gas main lines, service lines and meters. The electrical renovations consist of the conversion of the antiquated 4,160 volt to a 13,800 volt distribution system with related protective devices. (Current Mission)					
<u>REQUIREMENT:</u> The gas and electrical renovations will replace the present undersized, unsafe and costly systems. Estimates currently indicate that as much as \$160,000 per year in gas is lost due to the leakage.					
<u>CURRENT SITUATION:</u> The present facilities were constructed late 1930's and early 1940's. Due to the age of the systems, leakage is occurring. The electrical system has been outgrown and the requirements have been expanded to the maximum. Recent requirements have necessitated the conversion to a 13,800 volt distribution system.					
<u>IMPACT IF NOT PROVIDED:</u> The monetary loss due to gas system leakage will continue to increase and the possibility of explosion and/or fire is ever present. The danger to personnel due to inadequate safety devices on the electrical system presents another opportunity for disaster.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993								
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS										
4. PROJECT TITLE TRAINING SITE UTILITIES RENOVATION	5. PROJECT NUMBER 050074									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... <u>1/90</u></p> <p>(b) Percent complete as of 1 January 93..... <u>65%</u></p> <p>(c) Date Design Expected to be 35% Complete.. <u>1/92</u></p> <p>(d) Date Design Completed..... <u>6/93</u></p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications... (<u>0</u>)</p> <p>(b) All Other Design Costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>55</u>)</p> <p>(d) Contract..... (<u>55</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>3/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0" data-bbox="186 896 785 952"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;">NONE</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	NONE			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
NONE										

1. COMPONENT ARRNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 803		
3. INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK) ARKANSAS				4. AREA CONSTR COST INDEX 83.6		
5. FREQUENCY AND TYPE UTILIZATION NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH FOUR (4) TWO DAY TRAINING ASSEMBLIES PER MONTH.						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS						
ARRNG: CAMP ROBINSON		(1.0 MILES)	BN TRP COMPLEX	102848 SF	1979	
NGPEC		(3.0 MILES)	SCHOOL COMPLEX	216834 SF	1977	
CAMP ROBINSON		(0.5 MILES)	PHILLIPS ARMORY	19967 SF	1974	
N. LITTLE ROCK		(5.0 MILES)	FISHER ARMORY	24960 SF	1959	
USAR: N. LITTLE ROCK		(0.5 MILES)	RESERVE CENTER	128026 SF	1979	
7. PROJECTS REQUESTED IN THIS PROGRAM						
CATEGORY CODE		PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
171		ARMORY	74,649 SF	3,205	8/90	6/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.						
					22 OCT 92 (Date)	
9. LAND ACQUISITION REQUIRED						
NONE					0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS						
PROJECT			FY		(\$000)	
MOUT-CTF RANGE (CAMP ROBINSON)			96		2,580	
AASF/AVN (CAMP ROBINSON)			97		6,363	
ARMORY (SEARCY)			97		1,752	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"						

1 COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2 DATE 1993		
3 INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK) ARKANSAS							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	TOTAL	PERMANENT			GUARD/RESERVE		
		OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZE	30	8	22	—	652	174	478
ACTUAL	27	7	20	—	625	168	457
12. RESERVE UNIT DATA							
					STRENGTH		
UNIT DESIGNATION					AUTHORIZED	ACTUAL	
INSTALLATION SUPPORT UNIT					203	191	
UIC W7VJAA							
TSPN 46755							
DET 1 STARC (TROOP COMMAND)					138	123	
UIC W8AXA1							
TSPN 56751							
DET 1 109TH COMBAT SURGICAL HOSPITAL					180	180	
UIC WP9JAO							
TSPN 32742							
5-206 FA FIRE SPT SECT					131	131	
UIC WQNZTO							
TSPN 13039							
TOTAL					652	625	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
WHEELED VEHICLES					105	105	
TRAILERS					33	33	
TRACKED VEHICLES AND EQUIPMENT OVER 30 FT LONG					31	31	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE .. 8/3			
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS				4. PROJECT TITLE ARMORY				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 050022		8. PROJECT COST (\$000) 3,205			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....								3,528
ARMORY BUILDING.....					SF	74,264	47.34	(3,516)
FLAMMABLE MATERIAL BUILDING.....					SF	385	30.00	(12)
SUPPORTING FACILITIES.....								506
SITE PREPARATION (100% STATE).....					AC	7	3000.00	(21)
GRADING, SEEDING & PLANTING.....					LS	-	-	(26)
PARKING: MILITARY, OFF STREET AND ACCESS.....					SY	24,138	12.40	(299)
RIGID CONCRETE/WASH PLATFORM.....					LS	-	-	(60)
FLAGPOLE/SIDEWALKS/FENCING.....					LS	-	-	(25)
UTILITIES: WATER/SEWER/GAS/ELEC.....					LS	-	-	(75)
SUBTOTAL.....								4,034
CONTINGENCY (5%).....								202
SUPERVISION, INSP & OVERHEAD (1.37%).....								58
FEDERAL SHARE.....								3,205
STATE SHARE.....NON ADD								(1,089)
TOTAL REQUEST.....								3,205
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD								(64)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
A specially designed one story armory of permanent masonry type construction with built-up roof and concrete floors. Project to include mechanical and electrical systems, grading, seeding, fencing and military/civilian parking areas.								
<u>Air Conditioning:</u> 81 tons								
11. REQUIREMENT: 74,649 SF ADEQUATE: 0 SF SUBSTANDARD: 26,436 SF								
<u>PROJECT:</u> A new facility is requested to serve the peacetime mission of these units. The facility will provide an adequate area that will enhance the training and administration for all personnel of the units assigned. Peacetime unit readiness objectives will be accomplished and sustained by providing the units with adequate facilities located at Camp Robinson which also has the training land/areas available for their use. (New Mission)								
<u>REQUIREMENT:</u> This facility is required to support the following units of the AR ARNG: Installation Support Unit, 148th Evacuation Hospital and the 119th Personnel Services Company. These units are presently utilizing their existing facilities to the maximum extent possible due to recent reorganization and/or new organization of all three units.								
<u>CURRENT SITUATION:</u> At the present time the Installation Support Unit is located in a State owned facility that was constructed in 1940. The existing building currently being utilized will be returned to the State after the new facility has been occupied. The 148th Evacuation Hospital and the 119th Personnel Services Company are presently located in an inadequate commercial lease facility, which does not enhance the overall training, administration, supply/storage and, combat readiness that is required of them.								

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE A 503
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS		
4. PROJECT TITLE ARMORY	5. PROJECT NUMBER 050022	
<p>11. REQUIREMENT (CONTINUED)</p> <p><u>IMPACT IF NOT PROVIDED</u> Assigned units are required to use substandard facilities that do not provide the units with an atmosphere conducive to military operations. The sustandard facilites will continue to have an adverse affect on the readiness postures to include the retention and recruiting of members for the units.</p>		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11/1/93	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			
4. PROJECT TITLE ARMORY		5. PROJECT NUMBER 050022	
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>8/90</u>			
(b) Percent complete as of 1 January 1993..... <u>90%</u>			
(c) Date Design Expected to be 35% Complete..... <u>12/91</u>			
(d) Date Design Completed..... <u>6/93</u>			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u> </u> No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications..... (<u>0</u>)			
(b) All other design costs..... (<u>0</u>)			
(c) Total..... (<u>132</u>)			
(d) Contract..... (<u>132</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>10/93</u>			
b. Equipment associated with this project which will be provided from other appropriation:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
Kitchen Equip	AMSCO 522811.00	94	52
J-SIIDS	AMSCO 5212.000	94	12

1 COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2 DATE
3. INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK), ARKANSAS				4 AREA CONSTR COST INDEX 83.6
5. FREQUENCY AND TYPE UTILIZATION UTILIZED 365 DAYS PER YEAR BY ALL CAMP ROBINSON TENANTS, 11B NGB BATTLESKILLS, NGB PROFESSIONAL EDUCATION CENTER, STATE OCS & NCO MILITARY ACADEMIES, AR ARNG UNITS CONDUCTING ANNUAL TRAINING AND INACTIVE DUTY TRAINING.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG:	CAMP ROBINSON (1.0 MILES)	BN TRP COMPLEX	102848 SF	1979
	CAMP ROBINSON (3.0 MILES)	AVN ARMORY	29210 SF	1978
	CAMP ROBINSON (0.5 MILES)	PHILLIPS ARMORY	19967 SF	1974
USAR:	N. LITTLE ROCK(0.5 MILES)	RESERVE/NAV CTR	128206 SF	1979
ARNG:	N. LITTLE ROCK(5.0 MILES)	FISHER ARMORY	24960 SF	1959
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE
171	SANITARY SEWER IMPROVEMENT	LS	\$4,223	09/92 06/93
8. STATE RESERVE FOPCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				22 OCT 92 (Date)
9. LAND ACQUISITION REQUIRED				
NONE				0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT	FY	COST (\$000)		
HOUT COMPLEX	96	1,400		
ARMORY	96	2,580		
AASF	97	6,363		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"				

1 COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2 DATE 1993	
3 INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK), ARKANSAS						
11. PERSONNEL STRENGTH AS OF 30 SEP 92						
	<u>TOTAL</u>	<u>PERMANENT</u> <u>OFFICER</u> <u>ENLISTED</u>		<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	9475	1047 8428
ACTUAL	_____	_____	_____	_____	9233	1031 8202
12 RESERVE UNIT DATA						
					STRENGTH	
UNIT DESIGNATION					AUTHORIZED	ACTUAL
ALL ARKANSAS ARMY NATIONAL GUARD UNITS					9,475	9,233
13. MAJOR EQUIPMENT AND AIRCRAFT						
TYPE				AUTHORIZED	ACTUAL	
N/A				N/A	N/A	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
					(\$000)	
A.	AIR POLLUTION			NONE		
B.	WATER POLLUTION			4,424		
C.	OCCUPATIONAL SAFETY AND HEALTH			NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			4. PROJECT TITLE SANITARY SEWER IMPROVEMENT		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 050105		8. PROJECT COST (\$000) 4,223
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					3,858
COLLECTION SYSTEM IMPROVEMENTS.....		LS	-	-	(2,776)
TREATMENT PLANT IMPROVEMENTS.....		LS	-	-	(311)
STORM WATER IMPROVEMENTS.....		LS	-	-	(529)
CONTROLS & INSTRUMENTATION.....		LS	-	-	(242)
SUPPORTING FACILITIES.....					110
SITE IMPROVEMENTS.....		LS	-	-	(80)
DEMOLITION.....		LS	-	-	(30)
SUBTOTAL.....					3,968
CONTINGENCY (5%).....					198
SUPERVISION, INSP & OVERHEAD (1.37%).....					57
TOTAL REQUEST.....					4,223
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD					(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>The renovation/installation of the existing sanitary sewer collection system with a specially designed system (slip-lining) to reduce the amount of inflow and infiltration from surface/subsurface water into the system. Repair and replacement of existing manholes.</p> <p><u>Air Conditioning:</u> NONE</p> <p><u>11. REQUIREMENT:</u> 1 ADEQUATE; 0 EACH SUBSTANDARD; 73,223 LF</p> <p><u>PROJECT:</u> To provide an adequate sanitary sewer collection system for the collection and treatment of wastewater at Camp Robinson. (Current Mission)</p> <p><u>REQUIREMENT:</u> The existing wastewater treatment plant is required to be in compliance with federal and state laws. Renovation of the collection system is required to conform to the 1972 Water Pollution Control Act (P.L. 92-500, 33 U.S.C. et seq).</p> <p><u>CURRENT SITUATION:</u> The existing collection system built in 1940's has a high volume of infiltration and inflow of rainwater. This develops uncontrollable flow rates in the wastewater treatment plant that is not able to comply with the permit criteria. The state has directed the ARNG to correct this situation and the ARNG has received numerous non-compliance letters.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not funded, a Notice of Violation (NOV) will be issued to the AR ARNG and possibly shut down the Wastewater Treatment Plant. Numerous activities are conducted on a full time basis that would be detrimental to training and degrade readiness. The AR ARNG is under a Consent Administrative Order to bring the Wastewater Treatment Plant Facility and Collection System into compliance.</p>					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 09/92	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			
4. PROJECT TITLE SANITARY SEWER IMPROVEMENT	5. PROJECT NUMBER 050105		
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>9/92</u>			
(b) Percent complete as of 1 January 93..... <u>35%</u>			
(c) Date Design Expected to be 35% Complete.. <u>12/92</u>			
(d) Date Design Completed..... <u>6/93</u>			
(2) BASIS:			
(a) Standard or Definitive Design - Yes ___ No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)			
(a) Production of Plans and Specifications... (<u>0</u>)			
(b) All Other Design Costs..... (<u>0</u>)			
(c) Total..... (<u>59</u>)			
(d) Contract..... (<u>59</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>3/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost (\$000)
NONE			

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 92	
3. INSTALLATION AND LOCATION CAMP ROBINSON(NORTH LITTLE ROCK), ARKANSAS						
11. PERSONNEL STRENGTH AS OF 30 SEP 92						
		PERMANENT			GUARD/RESERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	ENLISTED
AUTHORIZE	_____	_____	_____	_____	9475	8428
ACTUAL	_____	_____	_____	_____	9233	8202
12. RESERVE UNIT DATA						
					STRENGTH	
	UNIT DESIGNATION				AUTHORIZED	ACTUAL
	ALL ARKANSAS ARMY NATIONAL GUARD				9,475	9,233
13. MAJOR EQUIPMENT AND AIRCRAFT						
	TYPE				AUTHORIZED	ACTUAL
	N/A					
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
					(\$000)	
A.	AIR POLLUTION				NONE	
B.	WATER POLLUTION				NONE	
C.	OCCUPATIONAL SAFETY AND HEALTH				NONE	

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK) ARKANSAS			4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 050055		8. PROJECT COST (\$000) 907	
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....	LS	-	-	671	
SIXTEEN LANE RANGE.....	LS	-	-	(635)	
CONTROL TOWER.....	SF	121	300.00	(36)	
SUPPORTING FACILITIES.....				180	
PAVING.....	SY	1550	10.00	(15)	
TARGET STORAGE, REPAIR AND AMMO.....	SF	920	55.00	(51)	
LATRINE (MALE AND FEMALE).....	SF	200	65.00	(13)	
MESS SHELTER.....	SF	800	45.00	(36)	
BLEACHER ENCLOSURE.....	SF	544	50.00	(27)	
RANGE LIGHTING, FLAGPOLE.....	LS	-	-	(18)	
UTILITIES (ELECTRICAL AND WATER).....	LS	-	-	(20)	
SUBTOTAL.....				851	
CONTINGENCY (5%).....				43	
SUPERVISION, INSP & OVERHEAD (1.47%).....				13	
TOTAL REQUEST.....				907	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				(367)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
The construction of a 16 lane Modified Record Fire Range. Supporting facilities will include control tower, bleacher enclosure, target storage and repair building, ammunition breakdown point, latrine, mess shelter, flag pole, range lighting, and other utilities as required.					
<u>Air Conditioning:</u> 1 ton for control tower					
11. REQUIREMENT: 1 ADEQUATE; N/A SUBSTANDARD: N/A					
PROJECT: This project will provide Modified Record Fire Range for M16 Rifle markmanship training and qualification for all soldiers of the AR ARNG, NGB Battle Skills Course, State OCS and NCO Academies and other reserve personnel utilizing Camp Robinson. (Current Mission)					
REQUIREMENT: This range will enable all units/schools to qualify, annually their personnel in accordance with DA Pam 350-38, Standards in Weapons Training.					
CURRENT SITUATION: At the present time Camp Robinson has two Automated Record Fire Ranges. These ranges are not sufficient to qualify the number of personnel that will be required to conduct this training on an inactive duty for training (IDT) weekend. Units must complete their weapons qualification on one IDT weekend due to the cost of travel and training time expended to conduct the required training.					
IMPACT IF NOT PROVIDED: Units will be hampered in attaining required weapons qualification standards. Training time utilized for other requirements will be lost due to units having to return to Camp Robinson to complete weapons qualification. Funds programmed for other training requirements may have to be used for the return trip to Camp Robinson.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE .. 8/93	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK) ARKANSAS			
4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)	5. PROJECT NUMBER 050055		
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... 8/90			
(b) Percent complete as of 1 January 1993..... 100%			
(c) Date Design Expected to be 35% Complete..... 3/91			
(d) Date Design Completed..... 10/91			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u>X</u> No <u> </u>			
(b) Where was Design Previously Used? <u>HNDM 1110-1-5</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications..... (0)			
(b) All other design costs..... (0)			
(c) Total..... (40)			
(d) Contract..... (40)			
(e) In-House..... (0)			
(4) CONSTRUCTION START..... 6/94			
b. Equipment associated with this project which will be provided			
from other federal appropriations:			
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Remoted Control Target System (RETS)	OPA	94	367

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 1993		
3. INSTALLATION AND LOCATION GOVEN FIELD, BOISE, IDAHO							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	TOTAL	PERMANENT		CIVILIAN	GUARD/RESERVE		
		OFFICER	ENLISTED		TOTAL	OFFICER	ENLISTED
AUTHORIZE	108	5	103	---	117	N/A	N/A
ACTUAL	107	4	103	---	116	N/A	N/A
12. RESERVE UNIT DATA							
UNIT DESIGNATION					STRENGTH		
					AUTHORIZED	ACTUAL	
COMBAT VEHICLE TRANSITION					117	116	
TRAINING TEAM							
UIC: V7TQAA							
TSPN: 36576							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ACTUAL		
WHEELED VEHICLES				46	47		
TRAILERS				5	13		
TRACKED VEHICLES				62	46		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
				(\$000)			
A. AIR POLLUTION				NONE			
B. WATER POLLUTION				NONE			
C. OCCUPATIONAL SAFETY AND HEALTH				NONE			

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE }	
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO			4. PROJECT TITLE COMBAT VEHICLE TRANSITION COMPLEX		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 160052	8. PROJECT COST (\$000) 5,044	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					4,410
VEHICLE TRAINING BUILDING.....		SF	59843	73.50	(4,398)
FLAMMABLE MATERIALS STORAGE BUILDING.....		SF	300	40.00	(12)
SUPPORTING FACILITIES.....					329
SITE PREPARATION, GRADING, SEEDING.....					
SIDEWALK/FENCING.....		LS	-	-	(16)
FLEXIBLE PAVING.....		SY	5360	11.00	(59)
MILITARY PARKING (HARDSTAND).....		SY	7200	8.00	(58)
UTILITIES: ELEC. GAS. WATER, SEWER.....		LS	-	-	(11)
RIGID PAVING.....		SF	32640	5.35	(175)
STORAGE COMPOUND.....		LS	-	-	(10)
SUBTOTAL.....					4,739
CONTINGENCY (5%).....					237
SUPERVISION, INSP & OVERHEAD (1.37%).....					68
TOTAL REQUEST.....					5,044
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD					(120)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construction of a training facility with classrooms, staff and administrative offices, and supply rooms with arms vault. The facility will be a single-story construction, with concrete floors and foundation. The structure will be constructed to allow for future expansion. Project will include landscaping, roads and parking areas, and all utilities.					
<u>Air Conditioning:</u> 52 tons					
11. REQUIREMENT: 60,143 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF					
<u>PROJECT:</u> A 60,143 SF facility to support the training of tank crews and organizational mechanics in all Reserve Components. (New Mission)					
<u>REQUIREMENT:</u> A professional Armor Training facility of 57,526 SF, to allow the Combat Vehicle Transition Training Facility (CVT3) for Reserve Components to perform its assigned mission. The complex will provide a single facility, adequate to conduct required training on all types of Combat Vehicles.					
<u>CURRENT SITUATION:</u> There is no existing facility to accommodate the CVT3 for the Reserve Components. Currently the teams are using inadequate facilities: tents, separate classroom, and admin/supply buildings which are shared with troop units performing weekend or two-week annual training. The additional impact of the CVT3 staff and students seriously overtaxes these existing facilities.					
<u>IMPACT IF NOT PROVIDED:</u> Adverse working conditions and learning environment will continue to degrade the training of all Reserve Components tankers and organizational mechanics. An important mission, performed 345 days annually, will continue to suffer from substandard facilities. During winter months, training will continue to be conducted in tents, with chemical toilets for latrine facilities. The quality of instruction and the morale of the soldiers being trained will continue to be seriously impaired.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993																
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO																		
4. PROJECT TITLE COMBAT VEHICLE TRANSITION COMPLEX	5. PROJECT NUMBER 160052																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... <u>3/91</u></p> <p>(b) Percent complete as of 1 January 93..... <u>95%</u></p> <p>(c) Date Design Expected to be 35% Complete.. <u>7/91</u></p> <p>(d) Date Design Completed..... <u>3/93</u></p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications... (<u>0</u>)</p> <p>(b) All Other Design Costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>206</u>)</p> <p>(d) Contract..... (<u>206</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>3/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1" data-bbox="218 908 816 1072"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>JSIIDS</td> <td>AMSCO 5212.000</td> <td>94</td> <td>15</td> </tr> <tr> <td>Telecom</td> <td>AMSCO 519891.10</td> <td>94</td> <td>20</td> </tr> <tr> <td>Furniture</td> <td>AMSCO 519891.30</td> <td>94</td> <td>85</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	JSIIDS	AMSCO 5212.000	94	15	Telecom	AMSCO 519891.10	94	20	Furniture	AMSCO 519891.30	94	85
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)															
JSIIDS	AMSCO 5212.000	94	15															
Telecom	AMSCO 519891.10	94	20															
Furniture	AMSCO 519891.30	94	85															

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE .. 92	
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	<u>87</u>	<u>5</u>	<u>4</u>	<u>78</u>	<u>3682</u>	<u>474</u>	<u>3208</u>
ACTUAL	<u>74</u>	<u>1</u>	<u>4</u>	<u>69</u>	<u>3572</u>	<u>470</u>	<u>3102</u>
12. RESERVE UNIT DATA							
					STRENGTH		
UNIT DESIGNATION					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
ALL IDAHO ARMY NATIONAL GUARD UNITS					3682	3572	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
NONE							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1 COMPONENT ARRG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2 DATE			
3 INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO				4 PROJECT TITLE USPFO ADMINISTRATION OFFICE AND WAREHOUSE ADDITION				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 610	7. PROJECT NUMBER 160022		8. PROJECT COST (\$000) 1,391			
9 COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....								1,019
ADMINISTRATION.....					SF	11100	77.00	(854)
WAREHOUSE.....					SF	4126	40.00	(165)
SUPPORTING FACILITIES.....								288
SITE PREPARATION, GRADING, SEEDING.....					LS			(22)
PAVEMENT FLEXIBLE.....					SY	2273	15.00	(35)
PAVEMENT RIGID.....					SY	320	15.00	(5)
FENCING.....					LF	230	14.00	(3)
LOADING DOCK & DEMOLITION.....					LS	-	-	(20)
ASBESTOS REMOVAL SERVICES.....					LS	-	-	(60)
SIDEWALKS.....					SF	1362	2.00	(3)
AUTOMATIC FIRE SPRINKLING SYSTEM.....					LS	-	-	(100)
UTILITIES: WATER/GAS/SEWER & ELEC.....					LS			(40)
SUBTOTAL.....								1,307
CONTINGENCY (5%).....								65
SUPERVISION, INSP & OVERHEAD (1.42%).....								19
TOTAL REQUEST.....								1,391
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD								(234)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
<p>This project is a specially designed facility of permanent concrete, concrete block, and brick with a composition roof and concrete floors. The facility is equipped with mechanical and electrical equipment. Support facilities include: a loading dock with canopy, access roads, a service apron for the loading dock, and sidewalks.</p> <p><u>Air Conditioning:</u> 51 tons</p> <p>11. REQUIREMENT: 48,266 SF ADEQUATE: 33,040 SF SUBSTANDARD: 0 SF</p> <p><u>PROJECT:</u> An addition to the existing facility is requested to meet the expanded mission of the USPFO. (Current Mission)</p> <p><u>REQUIREMENT:</u> This request is for an additional 11,100 SF of administration office space and 4,126 SF of warehouse space. Existing office space is inadequate and permanent personnel are overcrowded in this space. Warehouse space is also insufficient due to the additional units supported by the USPFO of Idaho. The expanded facility would provide the operational and administrative area that is required to enable the personnel to attain and maintain the desired high degree of readiness in the event of mobilization, and to support the pre-mobilization training, supply and fiscal requirements of other units.</p> <p><u>CURRENT SITUATION:</u> The administration, fiscal, and supply functions are presently being performed in a structure built in 1964. The facility has had two additions: In 1973, 1,702 SF of administration area was added; and in 1983, 1,920 SF of ADP area was added. The present facilities and functions are severely overcrowded, limiting the USPFO's ability to perform its mission. There are no classrooms or conference rooms in the building. Consequently, when there is a need to conduct training, hold conferences with contractors, or for the directorate to hold confidential fiscal reviews, the department chief must use other facilities. This often creates conflicts with other activities on the installation.</p>								

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GOVEN FIELD, BOISE, IDAHO		
4. PROJECT TITLE USPFO ADMINISTRATION OFFICE AND WAREHOUSE ADDITION	5. PROJECT NUMBER 160022	
<p>11. <u>REQUIREMENT</u> (CONTINUED)</p> <p><u>IMPACT IF NOT PROVIDED:</u> The USPFO will continue to work at reduced efficiency because of substandard conditions. The lack of adequate space will continue to degrade the USPFO's readiness, and their ability to provide the maximum support for the National Guard, Army and other service members that train on this installation. Troop morale, recruiting and retention will all suffer because the USPFO personnel are required to operate in an inadequate facility.</p>		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1/94												
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO														
4. PROJECT TITLE USPFO ADMINISTRATION OFFICE AND WAREHOUSE ADDITION		5. PROJECT NUMBER 160022												
<p>12. SUPPLEMENTAL DATA:</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... <u>4/90</u></p> <p>(b) Percent complete as of 1 January 93..... <u>95%</u></p> <p>(c) Date Design Expected to be 35% Complete.. <u>7/90</u></p> <p>(d) Date Design Completed..... <u>3/93</u></p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes <u> </u> No <u>X</u></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications... (<u>0</u>)</p> <p>(b) All Other Design Costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>88</u>)</p> <p>(d) Contract..... (<u>88</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>3/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1" data-bbox="142 896 735 1023"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Telecom</td> <td>AMSCO 519891.10</td> <td>94</td> <td>5</td> </tr> <tr> <td>Furniture</td> <td>AMSCO 519891.30</td> <td>94</td> <td>229</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Telecom	AMSCO 519891.10	94	5	Furniture	AMSCO 519891.30	94	229
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)											
Telecom	AMSCO 519891.10	94	5											
Furniture	AMSCO 519891.30	94	229											

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 11/11/92	
3. INSTALLATION AND LOCATION HOMEDALE, IDAHO						
11. PERSONNEL STRENGTH AS OF 30 SEP 92						
		PERMANENT			GUARD/RESERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER ENLISTED
AUTHORIZE	2		2		60	2 58
ACTUAL	1		1		53	2 51
12. RESERVE UNIT DATA						
UNIT DESIGNATION				STRENGTH		
DET 1 C CO (-) 116TH ENGR BN				AUTHORIZED	ACTUAL	
UTC WP06C1				60	53	
TSPN 21353						
13. MAJOR EQUIPMENT AND AIRCRAFT						
TYPE		AUTHORIZED		ACTUAL		
WHEELED VEHICLES		14		14		
TRAILERS		10		10		
TRACKED VEHICLES		2		2		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
				(\$000)		
A. AIR POLLUTION				NONE		
B. WATER POLLUTION				NONE		
C. OCCUPATIONAL SAFETY AND HEALTH				NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE			
3. INSTALLATION AND LOCATION HOMEDALE, IDAHO				4. PROJECT TITLE ARMORY				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 160013		8. PROJECT COST (\$000) 1,157			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....								1,313
ARMORY BUILDING.....					SF	20,214	64.95	(1,313)
SUPPORTING FACILITIES.....						-	-	175
SITE PREPARATION (100% STATE).....					LS	-	-	(20)
FINE GRADING, SEEDING & PLANTING.....					LS	-	-	(37)
FENCING.....					LF	533	13.00	(7)
PARKING: MIL/OFF STREET/ACCESS/TURN PADS.....					LS	-	-	(55)
FLAGPOLE & WASH PLATFORM W/FUEL DISP.....					LS	-	-	(29)
UTILITIES: WATER/SEWER/GAS/ELECT.....					LS	-	-	(22)
SIDEWALK.....					SF	1,800	3.00	(5)
SUBTOTAL.....								1,488
CONTINGENCY (5%).....								74
SUPERVISION, INSP & OVERHEAD (1.4%).....								22
FEDERAL SHARE.....								1,157
STATE SHARE.....NON ADD.....								(427)
TOTAL REQUEST.....								1,157
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD.....								(30)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
The proposed building is a specially designed facility of permanent masonry type construction, brick and concrete block unit, with a built-up roof and concrete floors. It is a one story structure complete with mechanical and electrical equipment. Outside supporting facilities include a wash platform and fuel dispensing facilities.								
<u>Air Conditioning:</u> 9 tons								
11. REQUIREMENT: 20,214 SF ADEQUATE: 0 SF SUBSTANDARD: 7,639 SF								
<u>PROJECT:</u> A new facility is requested to serve the peacetime mission of this unit. The space will permit all personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives. The existing armory cannot be adequately remodeled or expanded. (Current Mission)								
<u>REQUIREMENT:</u> This facility is required to house Det 1, C Company 116th Engr Bn, consisting of 60 personnel. This armory will provide the necessary administration and indoor training areas, area for storage of equipment for proper security, space to achieve the proficiency in required training in order to accomplish the assigned readiness objectives. A 7.0 acre state owned site is available for construction of this facility.								
<u>CURRENT SITUATION:</u> The existing armory was constructed in 1956. The soil has a high alkaline content and it is coming up through the concrete floors. Attempts to seal the concrete have been fruitless. The present armory consists of 7,639 SF reflecting a shortage of 12,575 SF. The existing facility does not lend itself to remodel or reconstruction because of property restrictions.								
<u>IMPACT IF NOT PROVIDED</u> The assigned unit will be required to continue to use the overcrowded, inadequate facility with a deficiency of 12,575 SF in supply, training, food preparation areas and security.								

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE	
3. INSTALLATION AND LOCATION HOMEDALE, IDAHO			
4. PROJECT TITLE ARMORY	5. PROJECT NUMBER 160013		
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>4/89</u>			
(b) Percent complete as of 1 January 1993..... <u>100%</u>			
(c) Date Design Expected to be 35% Complete..... <u>5/91</u>			
(d) Date Design Completed..... <u>9/91</u>			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u> </u> No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications..... (<u>0</u>)			
(b) All other design costs..... (<u>0</u>)			
(c) Total..... (<u>49</u>)			
(d) Contract..... (<u>49</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>3/94</u>			
b. Equipment associated with this project which will be provided from other appropriation:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Kitchen Equip	AMSCO 522811.00	94	20
J-SIIDS	AMSCO 5212.00	94	10

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 18 FEB 93
3. INSTALLATION AND LOCATION ATTERBURY (ARFTA) (EDINBURGH), INDIANA			4. AREA CONSTR COST INDEX 97.4	
5. FREQUENCY AND TYPE UTILIZATION TRAINING SITE USED FOR WEEKEND TRAINING 44 WEEKENDS PER YEAR BY 22 BATTALIONS AND 50 COMPANY-SIZE UNITS. TRAINING SITE WILL BE USED FOR ANNUAL TRAINING 12 WEEKS PER YEAR BY 5 BRIGADE-SIZE UNITS.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG:	COLUMBUS (15 MILES)	ARMORY	16855 SF	1979
	EDINBURGH (0 MILES)	ARMORY	67081 SF	1987
USAR:	CP ATTERBURY (0 MILES)	ARMORY		1974
7. PROJECTS REQUESTED IN THIS PROGRAM				
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS START COMPLETE</u>
179	INFANTRY SQUAD BATTLE COURSE (RETS)	LS	1,156	03/92 01/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE				18 FEB 93 (Date)
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.				
9. LAND ACQUISITION REQUIRED				
				0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT		FY	COST (\$000)	
TRAINING SITE FACILITIES PHASE VI		96	6,692	
MILITARY EDUCATION FACILITY		96	4,634	
TANK TABLE VI/VIII RANGE		97	400	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".				

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1993		
3. INSTALLATION AND LOCATION ATTERBURY (ARFTA) (EDINBURGH), INDIANA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	14,023	1287	12,736
ACTUAL	_____	_____	_____	_____	14,053	1285	12,768
12. RESERVE UNIT DATA							
UNIT DESIGNATION					STRENGTH		
ALL INDIANA ARMY NATIONAL GUARD					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
ARNG UNITS FROM OHIO, KENTUCKY, ILLINOIS, AND MISSOURI.					14,023	14,053	
USAR UNITS FROM OHIO, KENTUCKY, ILLINOIS AND INDIANA.							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
N/A							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 89	
3. INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA			4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 180036	8. PROJECT COST (\$000) 1,156		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				661	
BATTLE COURSE RANGE.....	LS	-	-	(661)	
SUPPORTING FACILITIES.....				418	
SITE PREPARATION.....	LS	-	-	(204)	
OPERATIONS/STORAGE/INSTRUCTION BLDGS.....	SF	1600	60.00	(96)	
LATRINE/AMMO BLDG.....	SF	440	65.90	(29)	
ELECT SERVICE.....	LS	-	-	(20)	
MILITARY PARKING.....	SY	650	8.00	(5)	
ACCESS/SVC ROAD.....	SY	7800	7.00	(55)	
FLAG POLE/PA POLES & WIRING.....	LS	-	-	(4)	
COMMUNICATIONS.....	LS	-	-	(5)	
SUBTOTAL.....				1,079	
CONTINGENCY (5%).....				54	
SUPERVISION, INSP & OVERHEAD (2.00%).....				23	
TOTAL REQUEST.....				1,156	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				(451)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct an Infantry Squad Battle Course to provide both offensive and/or defensive live fire following the Army Training & Evaluation Plan (ARTEP) objectives for a reinforced, dismounted, infantry rifle squad. Primary facilities include all construction within the perimeter of the range complex and a control tower. Range support facilities include admin/instruction building, ammo breakdown building, latrine, access/service roads, parking area, utilities, communications and site improvements.					
<u>Air Conditioning:</u> 2 tons for control tower					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
<u>PROJECT:</u> A live fire Infantry Squad Battle Course with both offensive and defensive scenarios for ARTEP Standard Training and Evaluation. This project covers 210 acres of federally owned land licensed to the State of Indiana. (Current Mission)					
<u>REQUIREMENT:</u> This range is required to provide ARTEP standard collective live fire training and evaluation for all infantry rifle squads in the Indiana ARNG.					
<u>CURRENT SITUATION:</u> There is no Infantry Squad Battle Course or equivalent range available on the installation, anywhere in the State of Indiana or within reasonable commuting distance.					
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, units will not be able to conduct required ARTEP squad level training or evaluation. A significant, adverse impact on the proficiency, readiness and deployability of units will exist. Combat weapons live fire training and evaluation requirements will not be met and overall readiness will be degraded.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE ... 9 1993												
3. INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA														
4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)	5. PROJECT NUMBER 180036													
<p>12. SUPPLEMENTAL DATA</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started.....<u>3/92</u></p> <p>(b) Percent complete as of 1 January 1993.....<u>100%</u></p> <p>(c) Date Design Expected to be 35% Complete.....<u>6/92</u></p> <p>(d) Date Design Completed.....<u>1/93</u></p> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes <u>X</u> No <u> </u></p> <p>(b) Where was Design Previously Used? <u>HNDM 1110-1-19</u></p> <p>(3) COST (TOTAL) - (c) = (a)+(b) and (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications..... (<u>0</u>)</p> <p>(b) All other design costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>81</u>)</p> <p>(d) Contract..... (<u>81</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>3/94</u></p> <p>b. Equipment associated with this project which will be provided from other federal appropriations:</p> <table border="1" data-bbox="215 878 798 1024"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Remoted Target System (RETS)</td> <td>OPA</td> <td>94</td> <td>444</td> </tr> <tr> <td>J-SIIDS</td> <td>OPA</td> <td>94</td> <td>7</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Remoted Target System (RETS)	OPA	94	444	J-SIIDS	OPA	94	7
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)											
Remoted Target System (RETS)	OPA	94	444											
J-SIIDS	OPA	94	7											

1. COMPONENT ARRG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 93
3. INSTALLATION AND LOCATION ATTERBURY (ARFTA) (EDINBURGH), INDIANA			4. AREA CONSTR COST INDEX 97.4	
5. FREQUENCY AND TYPE UTILIZATION TRAINING SITE USED FOR WEEKEND TRAINING 44 WEEKENDS PER YEAR BY 22 BATTALIONS AND 50 COMPANY-SIZE UNITS. TRAINING SITE WILL BE USED FOR ANNUAL TRAINING 12 WEEKS PER YEAR BY 5 BRIGADE-SIZE UNITS.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARRG:	COLUMBUS (15 MILES)	ARMORY	16855 SF	1979
	EDINBURGH (0 MILES)	ARMORY	67081 SF	1987
USAR:	CP ATTERBURY (0 MILES)	ARMORY		1974
7. PROJECTS REQUESTED IN THIS PROGRAM				
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u>
179	MODIFIED RECORD FIRE RANGE (RETS) UPGRADE	16 LANES	654	05/90 08/91
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				18 FEB 93 (Date)
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.				
9. LAND ACQUISITION REQUIRED				0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT		FY	COST (\$000)	
TRAINING SITE FACILITIES PHASE VI		96	6,692	
MILITARY EDUCATION FACILITY		96	4,634	
TANK TABLE VI/VIII RANGE		97	400	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".				

1 COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2 DATE SEP 92	
3. INSTALLATION AND LOCATION ATTERBURY (ARFTA) (EDINBURGH), INDIANA					
11. PERSONNEL STRENGTH AS OF 30 SEP 92					
	<u>TOTAL</u>	<u>PERMANENT</u>		<u>GUARD/RESERVE</u>	
		<u>OFFICER</u>	<u>ENLISTED</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	14,023	1287
ACTUAL	_____	_____	_____	14,053	12,768
12. RESERVE UNIT DATA					
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>			
		<u>AUTHORIZED</u>	<u>ACTUAL</u>		
	ALL INDIANA ARMY NATIONAL GUARD	14,023	14,053		
	ARNG UNITS FROM OHIO, KENTUCKY, ILLINOIS, AND MISSOURI.				
	USAR UNITS FROM OHIO, KENTUCKY, ILLINOIS AND INDIANA.				
13. MAJOR EQUIPMENT AND AIRCRAFT					
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>		
	N/A				
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES					
		(\$000)			
	A. AIR POLLUTION			NONE	
	B. WATER POLLUTION			NONE	
	C. OCCUPATIONAL SAFETY AND HEALTH			NONE	

1 COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2 DATE 20 20			
3 INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA				4 PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS), UPGRADE				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 180041		8. PROJECT COST (\$000) 654			
9 COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								574
RANGE UPGRADE.....					LS	-	-	(551)
MODIFIED CONTROL TOWER.....					LS	-	-	(23)
SUPPORTING FACILITIES.....								39
SITE PREPARATION.....					LS	-	-	(15)
TARGET STORAGE BLDG ADDITION.....					SF	323	30.00	(10)
PA SYSTEM WIRING.....					LS	-	-	(4)
GRADING & SEEDING.....					AC	5	2000.00	(10)
SUBTOTAL.....								613
CONTINGENCY (5%).....								31
SUPERVISION, INSP & OVERHEAD (1.52%).....								10
TOTAL REQUEST.....								654
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD								(448)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
This project will upgrade a 16 lane Record Fire Range constructed in FY 88 into a Modified Record Fire Range (RETS).								
Air Conditioning: 1 ton for control tower								
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A								
PROJECT: This project consists of upgrading an existing 16 lane Record Fire Range to provide a Modified Record Fire (RETS) Range. The upgrade follows criteria established for such ranges as outlined in the Corps of Engineers design manual. This project covers 23 acres of Federal land licensed to the state of Indiana. (Current Mission)								
REQUIREMENT: The proposed range upgrade will require the addition of two target bunkers per lane and additional electrical power and control wiring. A range control computer system and air condition system are required in the control tower. Wiring and speaker mounts for a public system will be added. An addition to the existing target storage building is also required.								
CURRENT SITUATION: Camp Atterbury has one 16 lane Record Fire Range which was built in FY 88. It is manually operated and has no field firing capability.								
IMPACT IF NOT PROVIDED: Due to inadequate existing range facilities, individual weapons training objectives will be delayed. The development and maintaining of combat skills needed to deploy rapidly is essential as the number of National Guard units with early missions increase.								

1 COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2 DATE .. 83								
3 INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA										
4 PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS), UPGRADE	5. PROJECT NUMBER 180041									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... 5/90</p> <p>(b) Percent complete as of 1 January 93..... 100%</p> <p>(c) Date Design Expected to be 35% Complete.. 8/90</p> <p>(d) Date Design Completed..... 8/91</p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes <u>X</u> No <u> </u></p> <p>(b) Where was Design Previously Used? <u>HNDM 1110-1-5</u></p> <p>(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications... (<u>0</u>)</p> <p>(b) All Other Design Costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>30</u>)</p> <p>(d) Contract..... (<u>30</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>6/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1" data-bbox="170 873 771 979"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Remote Target System (RETS)</td> <td>OPA</td> <td>94</td> <td>448</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Remote Target System (RETS)	OPA	94	448
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
Remote Target System (RETS)	OPA	94	448							

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE APR 92			
3. INSTALLATION AND LOCATION NORWAY, MAINE							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	161	5	156
ACTUAL	_____	_____	_____	_____	154	6	148
12. RESERVE UNIT DATA							
					STRENGTH		
	<u>UNIT DESIGNATION</u>				<u>AUTHORIZED</u>		<u>ACTUAL</u>
	CO C, 133D ENGINEER BATTALION				161		154
	UIC WQQNCO						
	TSPN 21364						
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>				<u>AUTHORIZED</u>		<u>ACTUAL</u>
	WHEELED VEHICLES				40		32
	TRAILERS				23		21
	TRACKED VEHICLES				3		2
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
	A. AIR POLLUTION				NONE		
	B. WATER POLLUTION				NONE		
	C. OCCUPATIONAL SAFETY AND HEALTH				NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1993			
3. INSTALLATION AND LOCATION NORWAY, MAINE			4. PROJECT TITLE ARMORY EXPANSION/REHABILITATION				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 230002		8. PROJECT COST (\$000) 1,380		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....							1,432
ARMORY ADDITION.....				SF	13,107	79.65	(1,044)
REHABILITATION.....				SF	10,523	36.87	(388)
SUPPORTING FACILITIES.....							378
SITE PREPARATION (100% STATE).....				LS	-	-	(88)
DEMOLITION, WASH RACK, FUEL DSIP SYS.....				LS	-	-	(102)
FINE GRADING, SEEDING & PLANTING.....				LS	-	-	(17)
FENCING, CONCRETE PAVING, WALKS.....				LS	-	-	(33)
PARKING & PAVING: MIL, OFF STREET/ACCESS				SY	9,530	13.22	(125)
UTILITIES: WATER/SEWER & TELCOM.....				LS	-	-	(13)
SUBTOTAL.....							1,810
CONTINGENCY (5%).....							91
SUPERVISION, INSP & OVERHEAD (1.40%).....							27
FEDERAL SHARE.....							1,380
STATE SHARE.....NON ADD							(548)
TOTAL REQUEST.....							1,380
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
A specially designed two story facility of permanent construction. Consisting of concrete block with brick on a concrete foundation and floor. The existing armory will undergo rehabilitation in conjunction with this addition to provide an energy efficient structure with adequate space for the assigned unit. Upgrading of the heating and ventilation system, power and lighting system and demolition work.							
<u>Air Conditioning:</u> NONE							
11. REQUIREMENT: 33,644 SF ADEQUATE: 10,014 SF SUBSTANDARD: 10, 523 SF							
<u>PROJECT:</u> This project will provide a modern and efficient armory to meet administrative & training requirements of the assigned unit. (Current Mission)							
<u>REQUIREMENT:</u> This facility is required to provide functional areas for Company D, 262nd Engineer Battalion (Cbt) (Corps) with a required strength of 160 personnel as well as their assigned equipment. This armory will provide the necessary administrative, indoor training areas, equipment training and storage areas to achieve the proficiency is required training and to accomplish the assigned readiness objectives.							
<u>CURRENT SITUATION:</u> The current Norway Armory was constructed in 1941. This facility has deteriorated from aging and is extremely energy inefficient and poorly configured. Company D, 262nd Engineer Bn was formerly a split unit with a detachment in Rumford, ME. In 1984 the unit was consolidated in the Norway Armory. The current building is severely lacking space for administration, food service and training (classroom,							

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 1993
3. INSTALLATION AND LOCATION NORWAY, MAINE		
4. PROJECT TITLE ARMORY EXPANSION/REHABILITATION		5. PROJECT NUMBER 230002
<p>11. REQUIREMENT (CONTINUED)</p> <p><u>CURRENT SITUATION</u>: library, learning center, training aid and audio visual storage, and unit maintenance training areas). The existing facility is currently situated on a 6.3 acre State owned site.</p> <p><u>IMPACT IF NOT PROVIDED</u>: The assigned unit will be required to utilize their existing undersized and substandard facility. These conditions have a detrimental effect upon the unit's morale and readiness. The State will continue to waste thousands of dollars to operate this inadequate facility.</p>		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 12/88	
3. INSTALLATION AND LOCATION NORWAY, MAINE			
4. PROJECT TITLE ARMORY EXPANSION/REHABILITATION		5. PROJECT NUMBER 230002	
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a)	Date Design Started.....	<u>12/88</u>	
(b)	Percent complete as of 1 January 1993.....	<u>65%</u>	
(c)	Date Design Expected to be 35% Complete.....	<u>9/91</u>	
(d)	Date Design Completed.....	<u>2/93</u>	
(2) BASIS:			
(a)	Standard of definitive Design - Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
(b)	Where was Design Previously Used? <u>N/A</u>		
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a)	Production of Plans and Specifications.....	(<u>0</u>)	
(b)	All other design costs.....	(<u>0</u>)	
(c)	Total.....	(<u>58</u>)	
(d)	Contract.....	(<u>58</u>)	
(e)	In-House.....	(<u>0</u>)	
(4) CONSTRUCTION START..... <u>10/93</u>			
b. Equipment associated with this project which will be provided from other appropriation:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
Kitchen Equip	AMSCO 522811.00	94	20
Telephone	AMSCO 529895.10	94	3

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 08 APR 92
3. INSTALLATION AND LOCATION TOWSON, MARYLAND				4. AREA CONSTR COST INDEX 97.5	
5. FREQUENCY AND TYPE UTILIZATION NORMAL ADMINISTRATION FIVE (5) DAYS PER WEEK WITH A MAXIMUM OF ONE (1) WEEKEND ASSEMBLY PER MONTH.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG: TOWSON (OLD)	(3 MILES)	200 PERSON-ARMORY	26,401 SF	1933	
PARKVILLE	(8 MILES)	300 PERSON-ARMORY	36,366 SF	1964	
PIKESVILLE	(9 MILES)	600 PERSON-ARMORY	96,455 SF	1903	
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
171	ARMORY ALTERATION/ ADDITION	62,584 SF	2,823	08/88	04/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.					
9. LAND ACQUISITION REQUIRED NONE				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS NONE					
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"					

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 76 11 1993		
3. INSTALLATION AND LOCATION TOWSON, MARYLAND							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT</u>		<u>CIVILIAN</u>	<u>GUARD/RESERVE</u>		
		<u>OFFICER</u>	<u>ENLISTED</u>		<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	47	12	33	2	344	49	295
ACTUAL	45	10	33	2	380	43	337
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
HHC/MMC SPT CMD, 29TH INF DIV (L)				134	215		
UIC WA6XAA							
TSPN 0702935							
CO B, 2ND BN, 175TH INF, 29TH INF DIV (L)				130	104		
UIC WPHVBO							
TSPN 0702947							
CO A (-DET 1&2) 129TH SIG BN, 29TH INF DIV (L)				80	61		
UIC WV62A0							
TPSN 0702904							
TOTAL				344	380		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
NONE							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
				(\$000)			
A. AIR POLLUTION				NONE			
B. WATER POLLUTION				NONE			
C. OCCUPATIONAL SAFETY AND HEALTH				NONE			

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1993	
3. INSTALLATION AND LOCATION TOWSON, MARYLAND			4. PROJECT TITLE ARMORY ALTERATION/ADDITION		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 240016		8. PROJECT COST (\$000) 2.823
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					2,566
ARMORY ALTERATIONS.....		SF	35,877	11.87	(426)
ARMORY ADDITION.....		SF	26,707	80.13	(2,140)
SUPPORTING FACILITIES.....					86
UTILITY CONNECTIONS.....		LS	-	-	(15)
POV PARKING.....		LS	-	-	(10)
SITE PREPARATIONS.....		LS	-	-	(55)
GRADING AND SEEDING.....		LS	-	-	(5)
SIDEWALKS.....		SF	1,000	1.25	(1)
SUBTOTAL.....					2,652
CONTINGENCY (5%).....					133
SUPERVISION, INSP & OVERHEAD (1.37%).....					38
TOTAL REQUEST.....					2,823
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					(15)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Alterations and an addition to the existing building to provide for authorized space for current criteria for the activities to be housed. To provide the authorized accommodations it will be necessary to construct an addition to the existing building, complete with all utilities.					
<u>Air Conditioning: 60 tons</u>					
11. REQUIREMENT: 62,584 SF ADEQUATE; 0 SF SUBSTANDARD; 35,877 SF					
PROJECT: Alterations and an addition are necessary to provide accommodation for the assigned units. The increase space will enable all personnel to perform military tasks that will enhance and improve their readiness posture. (Current Mission)					
REQUIREMENT: The armory requires many adjustments in size of functional areas in order to provide accommodations of sufficient size to house administration, storage, indoor training areas and similar activities to enhance proficiency in readiness objectives. This project is needed to provide adequate facilities for these units.					
CURRENT SITUATION: The existing armory consists of 35,877 gross SF and was constructed in 1980 with 75% Federal and 25% State funds. As designed, the facility was house two company sized units.					
IMPACT IF NOT PROVIDED There would be insufficient space to accommodate the three assigned units. The inadequate size of functional areas and lack of space would continue to have an adverse on the ability of the units to achieve and maintain their required readiness postura.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 1993								
3. INSTALLATION AND LOCATION TOWSON, MARYLAND										
4. PROJECT TITLE ARMORY ALTERATION/ADDITION		5. PROJECT NUMBER 240016								
<p>12. SUPPLEMENTAL DATA</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... <u>8/88</u></p> <p>(b) Percent complete as of 1 January 1993..... <u>65%</u></p> <p>(c) Date Design Expected to be 35% Complete..... <u>5/90</u></p> <p>(d) Date Design Completed..... <u>4/93</u></p> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes ___ No <u>X</u></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications..... (<u>0</u>)</p> <p>(b) All other design costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>117</u>)</p> <p>(d) Contract..... (<u>117</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>10/93</u></p> <p>b. Equipment associated with this project which will be provided from other appropriation:</p> <table border="1" data-bbox="202 878 782 970"> <thead> <tr> <th><u>Equipment Nomenclature</u></th> <th><u>Procuring Appropriation</u></th> <th><u>Fiscal Year Appropriated or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Kitchen Equip</td> <td>AMSCO 522811.00</td> <td>94</td> <td>15</td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	Kitchen Equip	AMSCO 522811.00	94	15
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>							
Kitchen Equip	AMSCO 522811.00	94	15							

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE .. 93		
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA		4. AREA CONSTR COST INDEX 100.0			
5. FREQUENCY AND TYPE UTILIZATION TO BE USED 48 OF 52 WEEKENDS ANNUALLY FOR INACTIVE DUTY TRAINING AND 42 WEEKS PER YEAR FOR UNITS CONDUCTING ANNUAL TRAINING.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
BRAINERD	(23 MILES)	ARMORY	37311 SF 1988		
LONG PRAIRIE	(33 MILES)	ARMORY	15790 SF 1920		
ST. CLOUD	(37 MILES)	ARMORY	26447 SF 1960		
7. PROJECTS REQUESTED IN THIS PROGRAM					
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS</u>	
				<u>START</u>	<u>COMPLETE</u>
179	MULTI PURPOSE RANGE COMPLEX (RETS)	LS	3,185	01/92	04/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				3 FEB 93	
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMEND UNILATERAL CONSTRUCTION.				(Date)	
9. LAND ACQUISITION REQUIRED				0	
				(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT		FY	COST (\$000)		
OMS #11/12/19		94	2625		
MODIFIED RECORD FIRE RANGE		95	500		
INFANTRY SQUAD BATTLE COURSE (RETS)		96	700		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".					

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 21 1 90			
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	N/A	_____	_____
ACTUAL	_____	_____	_____	_____	N/A	_____	_____
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>				<u>STRENGTH</u>		
		<u>AUTHORIZED</u>			<u>ACTUAL</u>		
	ARNG/USAR ARMOR, INFANTRY, AVIATION AND ENGINEER UNITS FROM MINNESOTA, NORTH/ SOUTH DAKOTA, IOWA, ILLINOIS AND WISCONSIN	N/A			N/A		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ACTUAL</u>	
	N/A						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A.	AIR POLLUTION				NONE		
B.	WATER POLLUTION				NONE		
C.	OCCUPATIONAL SAFETY AND HEALTH				NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE ;		
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS) MINNESOTA				4. PROJECT TITLE MULTI PURPOSE RANGE COMPLEX HEAVY (RETS)			
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 270001		8. PROJECT COST (\$000) 3,185		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....				LS	-	-	2,462
ONE LANE				LS	-	-	(1,402)
BUILDING, BERMS, TRACK BEDS.....				LS	-	-	(960)
CONTROL TOWER.....				SF	256	391.00	(100)
SUPPORTING FACILITIES.....							530
CLEARING, GRUBBING, GRADING & SEEDING...				LS	-	-	(140)
LATRINE/MESS/CONCURRENT TRAINING BLDG...				SF	2816	65.00	(183)
TARGET STORAGE BUILDINGS.....				SF	800	35.00	(28)
COVERED MAINTENANCE AREA.....				SF	2075	25.00	(52)
COVERED AMMO LOADING DOCK.....				SF	760	50.00	(38)
ACCESS ROAD AND PARKING.....				SY	3000	5.00	(15)
UTILITIES/FLAG POLE.....				LS	-	-	(74)
SUBTOTAL.....							2,992
CONTINGENCY (5%).....							150
SUPERVISION, INSP & OVERHEAD (1.37%).....							43
TOTAL REQUEST.....							3,185
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD							(970)
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
New construction of a year-round use, Multi Purpose Range Complex with Remoted Electronic Target System (RETS). Supporting facilities include a mess/latrine/concurrent training building with associated covered maintenance and covered ammo issue point. This facility is to be a masonry building with concrete floor, truss roof, plywood interior walls, insulation and heating, well and septic system, winterized control tower, flag pole, gravel surfaced access road and parking area, and target storage shed.							
<u>Air Conditioning:</u> 2 tons at control tower							
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A							
<u>PROJECT:</u> A multipurpose range complex to support current training missions of armor/infantry vehicles at crew, platoon and company levels. (Current Mission)							
<u>REQUIREMENT:</u> This range/training facility is required to support MNRANG units performing the gunnery qualification requirements of Forces Command. (FORSCOM). This proposal will provide the means to accomplish qualification on the following ranges: full scale and 1/2 scaled, Tank/Bradley Ranges through Table VIII, Infantry Platoon Battle Course, Aerial Gunnery, Missile Tracking, will support combined Arms Live Fire exercises and all targets are Multiple Integrated Laser Equipment System (MILES) capable. The range will be on State owned land.							
<u>CURRENT SITUATION:</u> At present there are no existing or programmed ranges at the Camp Ripley Training Site that will accommodate all of the crew served weapons live fire training requirements of the MNRANG.							

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 1993
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS) MINNESOTA		
4. PROJECT TITLE MULTI PURPOSE RANGE COMPLEX HEAVY (RETS)	5. PROJECT NUMBER 270001	
<p>11. <u>REQUIREMENTS:</u> (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> Lack of an adequate range within the state to accommodate gunnery qualification requirements will create a serious training deficiency for the affected MNARNG units. These units will be required to deploy biannually to out-of-state locations to meet FORSCOM training requirements. Out-of-state deployment is extremely expensive and would seriously restrict the ability of these units to accomplish their readiness training requirements.</p>		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS) MINNESOTA			
4. PROJECT TITLE MULTI PURPOSE RANGE COMPLEX HEAVY (RETS)	5. PROJECT NUMBER 270001		
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started.....1/92			
(b) Percent complete as of 1 January 1993.....75%			
(c) Date Design Expected to be 35% Complete.....3/92			
(d) Date Design Completed.....4/93			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u>X</u> No <u> </u>			
(b) Where was Design Previously Used? <u>HNDM 1110-1-8</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications.....(0)			
(b) All other design costs.....(0)			
(c) Total.....(132)			
(d) Contract.....(132)			
(e) In-House.....(0)			
(4) CONSTRUCTION START..... 4/94			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated or Requested</u>	Cost <u>(\$000)</u>
Remoted Target System (RETS)	OPA	94	970

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 93	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA				4. AREA CONSTR COST INDEX 94.2	
5. FREQUENCY AND TYPE UTILIZATION NORMAL ADMINISTRATION FIVE (5) DAYS A WEEK WITH ONE (1) WEEKEND TRAINING ASSEMBLY PER MONTH.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG: BRAINERD		(23 MILES)	ARMORY	37,211 SF	1988
LONG PRAIRIE		(33 MILES)	ARMORY	15,790 SF	1920
ST. CLOUD		(37 MILES)	ARMORY	26,447 SF	1960
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOPS	29,772 SF	2,625	01/90	04/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				3 FEB 93	
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE				(Date)	
STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.					
9. LAND ACQUISITION REQUIRED				0	
NONE				(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT		FY	COST (\$000)		
TRAINING SITE FACILITIES, PHASE I, TROOP AREA 7, CAMP RIPLEY		96	2,600		
BATTLE SIMULATION FACILITY, CAMP RIPLEY		97	1,200		
TRAINING SITE, RUNWAY LIGHTING		97	350		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"					

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 77		
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT</u>		<u>CIVILIAN</u>	<u>GUARD/RESERVE</u>		
		<u>OFFICER</u>	<u>ENLISTED</u>		<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	<u>28</u>	<u>2</u>	<u>26</u>	<u> </u>	<u>1692</u>	<u>161</u>	<u>1531</u>
ACTUAL	<u>17</u>	<u>2</u>	<u>15</u>	<u> </u>	<u>1641</u>	<u>150</u>	<u>1491</u>
12. RESERVE UNIT DATA							
UNIT DESIGNATION		STRENGTH					
		<u>AUTHORIZED</u>		<u>ACTUAL</u>			
OMS 11 HEADQUARTERS/LIGHT MAINTENANCE COMPANY 747TH MAINTENANCE BATTALION UIC: WPU8AA TPSN: 28143		205		168			
COMPANY D, 747TH MAINTENANCE BATTALION UIC: WPU8DO TPSN: 0304737		129		121			
COMPANY F, 747TH MAINTENANCE BATTALION UIC: WPU8FO TPSN: 0304737		237		210			
CONTINUED ON PAGE 3							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE		<u>AUTHORIZED</u>		<u>ACTUAL</u>			
WHEELED VEHICLES		307		274			
TRACKED VEHICLES		2		2			
TRAILERS		159		140			
*INCLUDES VEHICLES STORED AT MATES							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
(\$000)							
A. AIR POLLUTION		NONE					
B. WATER POLLUTION		NONE					
C. OCCUPATIONAL SAFETY AND HEALTH		NONE					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993																																						
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA																																								
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS	5. PROJECT NUMBER 270088																																							
<table border="0"> <thead> <tr> <th data-bbox="135 354 585 412" rowspan="2">12. RESERVE UNIT DATA (CONTINUED) UNIT DESIGNATION</th> <th colspan="2" data-bbox="585 372 840 389" style="text-align: center;">STRENGTH</th> </tr> <tr> <th data-bbox="585 389 736 412" style="text-align: center;">AUTHORIZED</th> <th data-bbox="736 389 840 412" style="text-align: center;">ACTUAL</th> </tr> </thead> <tbody> <tr> <td data-bbox="135 430 585 518"> OMS 11 COMPANY G (-) 747TH MAINTENANCE BATTALION UIC: WPU8G0 TPSN: 0304737 </td> <td data-bbox="585 495 736 518" style="text-align: center;">74</td> <td data-bbox="736 495 840 518" style="text-align: center;">82</td> </tr> <tr> <td data-bbox="135 536 585 606"> 723 ORDNANCE COMPANY, DETACHMENT 1 747TH MAINTENANCE BATTALION UIC: WVHGAA TPSN: 34024 </td> <td data-bbox="585 583 736 606" style="text-align: center;">2</td> <td data-bbox="736 583 840 606" style="text-align: center;">2</td> </tr> <tr> <td data-bbox="135 624 585 695"> HEADQUARTERS, HEADQUARTERS DETACHMENT 47TH SUPPLY AND TRANSPORTATION BATTALION UIC: WPUAAA TPSN: 0304736 </td> <td data-bbox="585 672 736 695" style="text-align: center;">44</td> <td data-bbox="736 672 840 695" style="text-align: center;">54</td> </tr> <tr> <td data-bbox="135 712 585 783"> COMPANY A, DETACHMENT 1 47TH SUPPLY AND TRANSPORTATION BATTALION UIC: WPUAAO TPSN: 0304736 </td> <td data-bbox="585 760 736 783" style="text-align: center;"><u>132</u></td> <td data-bbox="736 760 840 783" style="text-align: center;"><u>103</u></td> </tr> <tr> <td data-bbox="135 818 585 889"> QMS 12 HEADQUARTERS, 1ST SQUADRON, 194TH CAVALRY UIC: WPU4AA TPSN: 0304707 </td> <td data-bbox="585 866 736 889" style="text-align: center;">823</td> <td data-bbox="736 866 840 889" style="text-align: center;">740</td> </tr> <tr> <td data-bbox="135 906 585 977"> HEADQUARTERS, HEADQUARTERS TROOP (-) 1ST SQUADRON, 194TH CAVALRY UIC: WPU4TO TPSN: 0304797 </td> <td data-bbox="585 954 736 977" style="text-align: center;">15</td> <td data-bbox="736 954 840 977" style="text-align: center;">15</td> </tr> <tr> <td data-bbox="135 994 585 1065"> HEADQUARTERS, HEADQUARTERS TROOP, DETACHMENT 1 1ST SQUADRON, 195TH CAVALRY UIC: WPU4T1 TPSN: 0304707 </td> <td data-bbox="585 1042 736 1065" style="text-align: center;">103</td> <td data-bbox="736 1042 840 1065" style="text-align: center;">104</td> </tr> <tr> <td data-bbox="135 1083 585 1153"> HEADQUARTERS, HEADQUARTERS TROOP, DETACHMENT 1 1ST SQUADRON, 195TH CAVALRY UIC: WPU4T1 TPSN: 0304707 </td> <td data-bbox="585 1130 736 1153" style="text-align: center;">39</td> <td data-bbox="736 1130 840 1153" style="text-align: center;">35</td> </tr> <tr> <td data-bbox="135 1171 585 1241"> A TROOP 1ST SQUADRON, 194TH CAVALRY UIC: WPU4A1 TPSN: 0304707 </td> <td data-bbox="585 1218 736 1241" style="text-align: center;">138</td> <td data-bbox="736 1218 840 1241" style="text-align: center;">149</td> </tr> <tr> <td data-bbox="135 1259 585 1330"> COMPANY C, 142ND ENGINEER BATTALION, HEAVY UIC: WA44CO TPSN: 21364 </td> <td data-bbox="585 1307 736 1330" style="text-align: center;"><u>161</u></td> <td data-bbox="736 1307 840 1330" style="text-align: center;"><u>167</u></td> </tr> <tr> <td></td> <td data-bbox="585 1330 736 1352" style="text-align: center;">456</td> <td data-bbox="736 1330 840 1352" style="text-align: center;">470</td> </tr> </tbody> </table>			12. RESERVE UNIT DATA (CONTINUED) UNIT DESIGNATION	STRENGTH		AUTHORIZED	ACTUAL	OMS 11 COMPANY G (-) 747TH MAINTENANCE BATTALION UIC: WPU8G0 TPSN: 0304737	74	82	723 ORDNANCE COMPANY, DETACHMENT 1 747TH MAINTENANCE BATTALION UIC: WVHGAA TPSN: 34024	2	2	HEADQUARTERS, HEADQUARTERS DETACHMENT 47TH SUPPLY AND TRANSPORTATION BATTALION UIC: WPUAAA TPSN: 0304736	44	54	COMPANY A, DETACHMENT 1 47TH SUPPLY AND TRANSPORTATION BATTALION UIC: WPUAAO TPSN: 0304736	<u>132</u>	<u>103</u>	QMS 12 HEADQUARTERS, 1ST SQUADRON, 194TH CAVALRY UIC: WPU4AA TPSN: 0304707	823	740	HEADQUARTERS, HEADQUARTERS TROOP (-) 1ST SQUADRON, 194TH CAVALRY UIC: WPU4TO TPSN: 0304797	15	15	HEADQUARTERS, HEADQUARTERS TROOP, DETACHMENT 1 1ST SQUADRON, 195TH CAVALRY UIC: WPU4T1 TPSN: 0304707	103	104	HEADQUARTERS, HEADQUARTERS TROOP, DETACHMENT 1 1ST SQUADRON, 195TH CAVALRY UIC: WPU4T1 TPSN: 0304707	39	35	A TROOP 1ST SQUADRON, 194TH CAVALRY UIC: WPU4A1 TPSN: 0304707	138	149	COMPANY C, 142ND ENGINEER BATTALION, HEAVY UIC: WA44CO TPSN: 21364	<u>161</u>	<u>167</u>		456	470
12. RESERVE UNIT DATA (CONTINUED) UNIT DESIGNATION	STRENGTH																																							
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COMPANY C, 142ND ENGINEER BATTALION, HEAVY UIC: WA44CO TPSN: 21364	<u>161</u>	<u>167</u>																																						
	456	470																																						

1. COMPONENT ARRG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS	5. PROJECT NUMBER 270088	
12. RESERVE UNIT DATA (CONTINUED) <u>UNIT DESIGNATION</u>	<u>STRENGTH</u> <u>AUTHORIZED</u> <u>ACTUAL</u>	
OMS 19 INSTALLATION SUPPORT UNIT UIC: W7Q5AA TPSN: 46755	205	211
813TH MEDICAL DETACHMENT, 47TH AVIATION BRIGADE UIC: TWXSAA TPSN: 32744	53	60
256TH MEDICAL DETACHMENT UIC: WVGNA TPSN: 32858	10	13
112TH HEALTH SERVICES LIAISON DETACHMENT UIC: TWJT9D TPSN: 46751	15	15
STATE AREA COMMAND, DETACHMENT 1 UIC: W8AEA2 TPSN: 46751	45	44
STATE AREA COMMAND, DETACHMENT 2 UIC: W8AEA2 TPSN: 46751	72	75
REGIONAL TRAINING SITE-MAINTENANCE UIC: W7XHAA TPSN: 46751	<u>13</u> 413	<u>13</u> 431

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 893	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA				4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 214	7. PROJECT NUMBER 270088		8. PROJECT COST (\$000) 2,625	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (OMS 11 & 19).....					1,868	
ORGANIZATIONAL MAINTENANCE SHOP.....		SF	22550	70.00	(1,579)	
COVERED UNHEATED STORAGE.....		SF	3150	35.00	(110)	
CONTROLLED WASTE HANDLING FACILITY (CWHP).....		SF	600	65.00	(39)	
FLAMMABLE MATERIALS BUILDING.....		SF	597	65.00	(39)	
ALTERATIONS TO EXISTING OMS.....		SF	2875	35.00	(101)	
SUPPORTING FACILITIES.....					599	
SITE PREPARATION AND PLANTING.....		LS	-	-	(69)	
GRADING AND DRAINAGE.....		LS	-	-	(70)	
FENCING.....		LF	1586	15.00	(24)	
PAVING (FLEXIBLE).....		SY	455	15.00	(7)	
PAVING (RIGID).....		SY	8956	30.00	(269)	
WASH RACKS (2) AND LUBE/INSP. RACKS (2).....		LS	-	-	(120)	
UTILITIES: WATER, SEWER, GAS, ELECTRICAL.....		LS	-	-	(40)	
SUBTOTAL.....					2,467	
CONTINGENCY (5%).....					123	
SUPERVISION, INSP & OVERHEAD (1.37%).....					35	
TOTAL REQUEST.....					2,625	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD.....					(45)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
The new OMS 11 and 19 facility consists of a specially designated maintenance building with thirteen workbays, three special work bays and administrative work area, constructed of masonry, with a built-up roof and concrete floors. Partitions to consist of masonry block. Supporting facilities include flexible and rigid paving, security lighting and fencing. The existing OMS 11 and 12 facility will undergo minor modifications and alterations to adequately accommodate OMS 12.						
<u>Air Conditioning:</u> 5 tons						
11. REQUIREMENT: 32,482 SF ADEQUATE: 2710 SF SUBSTANDARD: 27,062 SF						
<u>PROJECT:</u> A specially designed facility in which to provide required organizational maintenance for the vehicles and equipment supported by OMS 11 and 19 and modifications to an existing OMS building in which to provide organizational maintenance for vehicles and equipment supported by OMS 12. (Current Mission)						
<u>REQUIREMENT:</u> A facility requirement of 29,772 SF is necessary to enable organizational level maintenance to be performed on vehicles and equipment authorized by the Table of Organization and Equipment for the supported units.						
<u>CURRENT SITUATION:</u> The two existing OMS shops contain 9,012 SF. OMS 19, constructed in 1931 as a 12,000 SF unheated storage facility, is seriously deteriorated and totally inadequate as an OMS facility. The combined OMS 11 and 12 was constructed in 1979 as a 9012 SF OMS facility. This facility is of inadequate size to accommodate both OMS 11 and OMS 12 but with minor modification/alterations will be of adequate size to support OMS 12. The proposed new facility will house OMS 11 and OMS 19.						
<u>IMPACT IF NOT PROVIDE:</u> Unit readiness will be degraded and the quality of work will continue to decrease due to deficient work and storage areas in which to perform required maintenance and administrative duties.						

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 93	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA			
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS	5. PROJECT NUMBER 270088		
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started.....	1/90		
(b) Percent complete as of 1 January 93.....	100%		
(c) Date Design Expected to be 35% Complete..	8/90		
(d) Date Design Completed.....	4/92		
(2) BASIS:			
(a) Standard or Definitive Design - Yes ___ No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)			
(a) Production of Plans and Specifications...	(0)		
(b) All Other Design Costs.....	(0)		
(c) Total.....	(88)		
(d) Contract.....	(88)		
(e) In-House.....	(0)		
(4) CONSTRUCTION START..... <u>10/93</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost (\$000)
Office Equip	AMSCO 529891.30	94	14
Telephone Equip	AMSCO 529895.11	94	6
Furnishings	AMSCO 519891.30	94	25

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 17 MAR 93	
3. INSTALLATION AND LOCATION FORT HARRISON, HELENA, MONTANA				4. AREA CONSTR COST INDEX 90.9	
5. FREQUENCY AND TYPE UTILIZATION FORT WILLIAM HENRY HARRISON IS A YEAR-ROUND TRAINING FACILITY, UTILIZED APPROXIMATELY 40-45 WEEKENDS OUT OF THE 52 PER YEAR AND IS MANNED 52 WEEKS OF THE YEAR BY FULL TIME PERSONNEL.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG:		FT HARRISON SEE #3	TRAINING SITE	1700 AC	1920
		FT HARRISON (.6 MILES)	200 ARMORY	13,000 SF	1969
		HELENA, MT (6.0 MILES)	250 ARMORY	30,000 SF	1939
		HELENA, MT (8.0 MILES)	AASF & 200 ARMORY	40,000 SF	1975
USAR:		HELENA, MT (6.0 MILES)	TRAINING SITE	15,000 SF	1970
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
171	MEDICAL UNIT TRAINING FACILITY	4,648 SF	501	11/89	05/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				15 MAR 92 (Date)	
9. LAND ACQUISITION REQUIRED					
NONE				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT		FY	COST (\$000)		
ARMY AVIATION SUPPORT FACILITY (AH-64) FT HARRISON		95	\$10,756		
DLOG/CLASS IX		96	796		
BATTALION SUPPORT COMPLEX		96	6,067		
MILITARY EDUCATION CENTER		97	4,342		
FIRE STATION		97	334		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"					

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 3 1993	
3. INSTALLATION AND LOCATION FORT HARRISON, HELENA, MONTANA						
11. PERSONNEL STRENGTH AS OF 30 SEP 92						
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>
AUTHORIZE	_____	_____	_____	_____	3447	418
ACTUAL	_____	_____	_____	_____	3512	3029
12. RESERVE UNIT DATA						
					STRENGTH	
	UNIT DESIGNATION				AUTHORIZED	ACTUAL
	ALL MONTANA ARMY NATIONAL GUARD				3447	3512
13. MAJOR EQUIPMENT AND AIRCRAFT						
	TYPE				AUTHORIZED	ACTUAL
	N/A					
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
					(\$000)	
A.	AIR POLLUTION				NONE	
B.	WATER POLLUTION				NONE	
C.	OCCUPATIONAL SAFETY AND HEALTH				NONE	

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1993	
3. INSTALLATION AND LOCATION FORT HARRISON, HELENA, MONTANA			4. PROJECT TITLE MEDICAL UNIT TRAINING FACILITY		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 300054	8. PROJECT COST (\$000) 501		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				390	
MEDICAL UNIT TRAINING FACILITY.....	SF	4648	84.00	(390)	
SUPPORTING FACILITIES.....				78	
SITE PREPARATION.....	LS	-	-	(17)	
GRADING, SEEDING.....	LS	-	-	(5)	
PARKING, POV.....	SY	2778	14.00	(39)	
SIDEWALKS.....	SF	600	2.00	(1)	
UTILITIES.....	LS	-	-	(16)	
SUBTOTAL.....				468	
CONTINGENCY (5%).....				23	
SUPERVISION, INSP & OVERHEAD (2.00%).....				10	
TOTAL REQUEST.....				501	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD				(40)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>A specially designed facility of permanent masonry type construction, brick and concrete block units, with built-up roof and concrete floors. Structure will be a one story building with medical and dental training areas, observation wards, office and administrative areas.</p> <p><u>Air Conditioning:</u> 3.5 tons</p> <p>11. REQUIREMENT: 4,648 SF ADEQUATE: 0 SF SUBSTANDARD: 1,300 SF</p> <p><u>PROJECT:</u> A new facility to serve the medical and dental unit training needs of the MT ARNG Medical Units. (Current Mission)</p> <p><u>REQUIREMENT:</u> This proposed project is necessary to provide adequate medical and dental training facilities.</p> <p><u>CURRENT SITUATION:</u> The medical units are currently conducting training in a 1,300 SF concrete block building which was converted from a training site orderly room.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Medical units conducting annual training or inactive duty training will continue to train in inadequate and overcrowded facilities. Troop morale and readiness will be degraded and recruiting/retention may be adversely affected.</p>					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993	
3. INSTALLATION AND LOCATION FORT HARRISON, HELENA, MONTANA			
4. PROJECT TITLE MEDICAL UNIT TRAINING FACILITY	5. PROJECT NUMBER 300054		
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>11/89</u>			
(b) Percent complete as of 1 January 93..... <u>95%</u>			
(c) Date Design Expected to be 35% Complete.. <u>10/90</u>			
(d) Date Design Completed..... <u>5/93</u>			
(2) BASIS:			
(a) Standard or Definitive Design - Yes <u> </u> No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e):			
(a) Production of Plans and Specifications... (<u>0</u>)			
(b) All Other Design Costs..... (<u>0</u>)			
(c) Total..... (<u>24</u>)			
(d) Contract..... (<u>24</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>3/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (#000)
Furniture	AMSCO 519891.30	94	40

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 923	
3. INSTALLATION AND LOCATION FAYETTEVILLE, NORTH CAROLINA				4. AREA CONSTR COST INDEX 79.2	
5. FREQUENCY AND TYPE UTILIZATION NORMAL ADMINISTRATION FIVE (5) DAYS PER WEEK WITH A TWO (2) DAY TRAINING ASSEMBLY PER MONTH.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG: PARETON (17 MILES)		ARMORY		16,330 SF 1985	
SAINT PAULS (17 MILES)		ARMORY		13,401 SF 1958	
ACTIVE: FORT BRAGG (8.0 MILES)		18TH CORPS & AIRBORNE DIVISION			
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE		PROJECT TITLE		SCOPE	
214		ORGANIZATIONAL MAINTENANCE SHOP		6,055 SF	
				COST (\$000)	
				473	
				DESIGN STATUS	
				START COMPLETE	
				04/90 09/92	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				09 DEC 92 (Date)	
9. LAND ACQUISITION REQUIRED					
NONE				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
NONE					
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"					

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 1993			
3. INSTALLATION AND LOCATION FAYETTEVILLE, NORTH CAROLINA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	PERMANENT			GUARD/RESERVE			
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZE	9		9		696	48	648
ACTUAL	7		7		731	44	687
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
				AUTHORIZED	ACTUAL		
1ST BATTALION, 252D ARMOR				544	592		
UIC WPJAA							
TSPN 14030							
TROOP E, 196TH CALVARY				152	139		
UIC WVGAA							
TSPN 14030							
TOTAL				696	731		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE		AUTHORIZED		ACTUAL			
WHEELED VEHICLES		101		94			
TRACKED VEHICLES		152		139			
TRAILERS		37		33			
		290		266			
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
(0000)							
A. AIR POLLUTION		NONE					
B. WATER POLLUTION		NONE					
C. OCCUPATIONAL SAFETY AND HEALTH		NONE					

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10/1/93	
3. INSTALLATION AND LOCATION FAYETTEVILLE, NORTH CAROLINA				4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 214	7. PROJECT NUMBER 370030		8. PROJECT COST (\$000) 473	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....					268	
ORGANIZATIONAL MAINTENANCE SHOP.....		SF	4,895	50.00	(245)	
FLAMMABLE MATERIAL STORAGE BUILDING.....		SF	110	20.00	(2)	
UNHEATED STORAGE BUILDING.....		SF	750	20.00	(15)	
CONTROLLED WASTE HANDLING FACILITY.....		SF	300	20.00	(6)	
SUPPORTING FACILITIES.....					176	
SITE PREPARATION, GRADING & DRAINAGE.....		LS	-	-	(50)	
FUEL STORAGE & DISPENSING SYSTEM.....		LS	-	-	(25)	
FENCING.....		LF	475	13.00	(6)	
PAVING (FLEXIBLE).....		SY	2,900	12.00	(36)	
PAVING (RIGID).....		SY	300	28.00	(9)	
WASH RACK.....		LS	-	-	(15)	
LUBE & INSPECTION RACK.....		LS	-	-	(15)	
UTILITIES: WATER/SEWER/GAS/TELECOM.....		LS	-	-	(20)	
SUBTOTAL.....					444	
CONTINGENCY (5%).....					22	
SUPERVISION, INSP & OVERHEAD (1.60%).....					7	
TOTAL REQUEST.....					473	
EQUIP PROVIDED FROM OTHER APPRNON ADD					(2)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Consists of a maintenance facility with 3 work bays, plus an administrative/work area constructed of masonry walls, a built-up or standing seam metal roof, and concrete floors. Additional features include a flammable materials storage space, fuel storage and dispensing system, wash platform, lube & inspection rack. Controlled Waste Handling Facility and an unheated storage building.						
<u>Air Conditioning:</u> 1 1/2 tons						
11. REQUIREMENT: 6,055 SF ADEQUATE: 0 SF SUBSTANDARD: 2,490 SF						
PROJECT: A new maintenance shop to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop. (Current Mission)						
REQUIREMENT: A facility requirement for 6,055 SF is requested to permit maintenance at organizational level to be performed on vehicles and equipment of the supported units.						
CURRENT SITUATION: The existing shop contains 2,490 SF and was constructed in 1941. This facility is inadequate in the following areas: administrative, rest room, locker room, and battery room. The shop does not have an efficient system to control waste water from the cleaning of equipment and vehicles. The inspection and lube rack is obsolete, and the heating, lighting, and ventilation are inadequate in the existing facility. Existing facilities will be disposed of in accordance with State Law after the new shop has been occupied.						
IMPACT IF NOT PROVIDED: The quality of work will decrease due to deficient work and storage areas to perform administrative and maintenance duties.						

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993	
3. INSTALLATION AND LOCATION FAYETTEVILLE, NORTH CAROLINA			
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		5. PROJECT NUMBER 370030	
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>4/90</u>			
(b) Percent complete as of 1 January 93..... <u>100%</u>			
(c) Date Design Expected to be 35% Complete.. <u>9/91</u>			
(d) Date Design Completed..... <u>9/92</u>			
(2) BASIS:			
(a) Standard or Definitive Design - Yes <u> </u> No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e):			
(a) Production of Plans and Specifications... <u>(0)</u>			
(b) All Other Design Costs..... <u>(0)</u>			
(c) Total..... <u>(21)</u>			
(d) Contract..... <u>(21)</u>			
(e) In-House..... <u>(0)</u>			
(4) CONSTRUCTION START..... <u>10/93</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Telephone Equipment	AMSCO 529895.10	94	1
Furniture	AMSCO 519891.30	94	1

1. COMPONENT ARRG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 1993
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA				4. AREA CONSTR COST INDEX
5. FREQUENCY AND TYPE UTILIZATION NORMAL ADMINISTRATION AND OPERATIONS FIVE (5) DAYS PER WEEK AND A TWO (2) DAY TRAINING ASSEMBLY PER MONTH.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARRG:	BISMARCK	(6 MILES)	800 ARMORY	141,364 SF 1988
	BISMARCK	(6 MILES)	OMS	15,600 SF 1989
	BISMARCK	(ON SITE)	AASF & ARMORY	37,988 SF 1976
USAR:	BISMARCK	(4 MILES)	ARMORY	
	BISMARCK	(4 MILES)	AMSA	
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE
211	AVIATION C-12 HANGAR	19,794 SF	1297	08/90 03/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				08 SEP 92 (Date)
9. LAND ACQUISITION REQUIRED				
NONE				0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT		FY	COST (\$000)	
ARMORY		96	3,193	
ARMY AVIATION SUPPORT FACILITY ALTERATION		96	478	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"				

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 0333															
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA																	
11. PERSONNEL STRENGTH AS OF 30 SEP 92																	
	<table border="0"> <tr> <td></td> <td colspan="3" style="text-align: center;">PERMANENT</td> <td></td> <td colspan="2" style="text-align: center;">GUARD/RESERVE</td> </tr> <tr> <td></td> <td style="text-align: center;">TOTAL</td> <td style="text-align: center;">OFFICER</td> <td style="text-align: center;">ENLISTED</td> <td style="text-align: center;">CIVILIAN</td> <td style="text-align: center;">TOTAL</td> <td style="text-align: center;">OFFICER</td> <td style="text-align: center;">ENLISTED</td> </tr> </table>		PERMANENT				GUARD/RESERVE			TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED	
	PERMANENT				GUARD/RESERVE												
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED										
AUTHORIZE	_____	3916	N/A	N/A													
ACTUAL	_____	3994	N/A	N/A													
12. RESERVE UNIT DATA																	
UNIT DESIGNATION C-12 AIRCRAFT SUPPORTS ALL NORTH DAKOTA ARMY NATIONAL GUARD	STRENGTH <table border="0"> <tr> <td style="text-align: center;">AUTHORIZED</td> <td style="text-align: center;">ACTUAL</td> </tr> <tr> <td style="text-align: center;">3916</td> <td style="text-align: center;">3994</td> </tr> </table>		AUTHORIZED	ACTUAL	3916	3994											
AUTHORIZED	ACTUAL																
3916	3994																
13. MAJOR EQUIPMENT AND AIRCRAFT																	
TYPE C-12	AUTHORIZED 1	ACTUAL 1															
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																	
(#000)																	
A. AIR POLLUTION	NONE																
B. WATER POLLUTION	NONE																
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 10-33			
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA				4. PROJECT TITLE AVIATION C-12 HANGAR				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 211	7. PROJECT NUMBER 380064		8. PROJECT COST (\$000) 1,297			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					SF	8,686	47.00	825
C-12 HANGAR.....					SF	11,108	37.50	(408)
OPERATIONAL STORAGE.....					SF	11,108	37.50	(417)
SUPPORTING FACILITIES.....								393
SITE PREPARATION/FINE GRADE/SEEDING.....					LS	-	-	(177)
PLANTING.....					LS	-	-	(35)
FENCING.....					LF	300	10.00	(3)
ACCESS APRONS.....					SY	2,489	36.00	(90)
FLEXIBLE PAVINGS.....					SY	1,720	20.00	(35)
SIDEWALKS.....					SF	1,000	3.00	(3)
UTILITIES: WATER\SEWER\GAS\ELEC.....					LS	-	-	(50)
SUBTOTAL.....								1,218
CONTINGENCY (5%).....								61
SUPERVISION, INSP & OVERHEAD (1.42%).....								18
TOTAL REQUEST.....								1,297
EQUIP PROVIDED FROM OTHER APPRNON ADD								(13)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
Consists of a specially designed aviation facility of permanent masonry type construction, brick and concrete block exterior walls, concrete block interior walls, single membrane roof and concrete floors. A one story structure with all necessary mechanical and electrical equipment and outside supporting facilities.								
<u>Air Conditioning:</u> 2 tons								
11. REQUIREMENT: 42,898 SF ADEQUATE: 22,104 SF SUBSTANDARD: 0 SF								
PROJECT: Proposed construction consists of an aircraft hangar to provide protection and security for a regional support C-12 aircraft. The facility will include administrative offices, repair and parts room, and a maintenance area. (New Mission)								
REQUIREMENT: A facility requirement for 42,898 SF is necessary to provide security of aircraft parts and tools, as well as provide operational storage of the assigned aircraft and an all weather maintenance facility for the C-12 aircraft.								
CURRENT SITUATION: The existing Army Aviation Support Facility hangar is being used to capacity for required maintenance of assigned aircraft and leased facilities are currently being used to house Beech Aircraft Services Inc. and it's maintenance contract. There is no facility currently available to provide the function that this construction would provide. The current facility was constructed in 1976, is in excellent condition.								
IMPACT IF NOT PROVIDED: If not provided, proper maintenance and security of the C-12 cannot be assured, and a substandard facility will have to be leased. This situation will degrade ongoing training support programs and increase the costs associated with this training.								

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 12/93	
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA			
4. PROJECT TITLE AVIATION C-12 HANGAR		5. PROJECT NUMBER 380064	
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>8/90</u>			
(b) Percent complete as of 1 January 93..... <u>65%</u>			
(c) Date Design Expected to be 35% Complete.. <u>6/91</u>			
(d) Date Design Completed..... <u>3/93</u>			
(2) BASIS:			
(a) Standard or Definitive Design - Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(a): (\$000)			
(a) Production of Plans and Specifications... (<u>0</u>)			
(b) All Other Design Costs..... (<u>0</u>)			
(c) Total..... (<u>48</u>)			
(d) Contract..... (<u>48</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>4/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Telephone Equip	AMSCO 529895.10	94	3
Furniture	AMSCO 519891.30	94	10

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE .. 33
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA			4. AREA CONSTR COST INDEX 88.0	
5. FREQUENCY AND TYPE UTILIZATION TO BE USED TWENTY (20) WEEKENDS ANNUALLY BY UNITS OF THE NORTH DAKOTA ARMY NATIONAL GUARD CONDUCTING INACTIVE DUTY TRAINING AND EIGHT (8) WEEKS PER YEAR FOR UNITS CONDUCTING ANNUAL TRAINING.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG: CANDO	(35 MILES)	60 PERSON ARMORY	15204 SF	1957
RUGBY	(57 MILES)	60 PERSON ARMORY	18793 SF	1957
CARRINGTON	(57 MILES)	60 PERSON ARMORY	13634 SF	1941
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE
179	MODIFIED RECORD FIRE RANGE (RETS)	16 LANES	1,038	01/92 07/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDEND UNILATERAL CONSTRUCTION.				8 SEP 92 (Date)
9. LAND ACQUISITION REQUIRED				
				0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT		FY	COST (\$000)	
HEATING PLANT		94	1,826	
KNOWN DISTANCE RANGE		96	482	
CSMS ADDITION		96	1,800	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".				

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE APR 93	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA						
11. PERSONNEL STRENGTH AS OF 30 SEP 92						
	<u>TOTAL</u>	<u>PERMANENT</u> <u>OFFICER</u> <u>ENLISTED</u>		<u>CIVILIAN</u>	<u>GUARD/RESERVE</u> <u>OFFICER</u> <u>ENLISTED</u>	
AUTHORIZE	_____	_____	_____	_____	3916	416 3500
ACTUAL	_____	_____	_____	_____	3994	433 3561
12. RESERVE UNIT DATA						
					STRENGTH	
UNIT DESIGNATION					<u>AUTHORIZED</u>	<u>ACTUAL</u>
ALL NORTH DAKOTA ARMY NATIONAL GUARD					3,916	3,994
13. MAJOR EQUIPMENT AND AIRCRAFT						
TYPE					AUTHORIZED	ACTUAL
N/A						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
					(\$000)	
A.	AIR POLLUTION				NONE	
B.	WATER POLLUTION				NONE	
C.	OCCUPATIONAL SAFETY AND HEALTH				NONE	

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 1:23			
3. INSTALLATION AND LOCATION CAMP GRAFTON, (DEVILS LAKE), NORTH DAKOTA				4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 380059		8. PROJECT COST (\$000) 1,038			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....								638
16 LANE RANGE.....					LS	-	-	(164)
CONTROL TOWER.....					LS	-	-	(36)
DATACABLE/WIRING HARNESS.....					LS	-	-	(408)
EARTHWORK.....					LS	-	-	(30)
SUPPORTING FACILITIES.....								336
SITE PREPARATION/CLEARING, GRUBBING.....					LS	-	-	(150)
TARGET STORAGE/AMMO BUILDING.....					SF	1000	42.00	(42)
MESS/LATRINE.....					SF	1000	39.00	(39)
BREAK/CONCURRENT TRAINING BLEACHERS.....					SF	576	40.00	(23)
PARKING/ACCESS ROAD.....					SY	2050	7.10	(15)
UTILITIES.....					LS	-	-	(67)
SUBTOTAL.....								974
CONTINGENCY (5%).....								49
SUPERVISION, INSP & OVERHEAD (1.45%).....								15
TOTAL REQUEST.....								1,038
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD								(341)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
A 16-lane Modified Record Fire Range with the pop-up targets that simulate enemy soldiers, light vehicles and bunkers, from 50 meter to 300 meter, fully controlled and scored by a computer mounted in the control tower. The following supporting facilities are required: target storage and repair building, ammunition breakdown building, male/female latrines, mess shelter, break/concurrent training area.								
<u>Air Conditioning:</u> 1 ton for control tower								
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A								
<u>PROJECT:</u> A 16-lane Modified Record Fire Range for rifle qualification and practice engagement of targets in a simulated combat environment. (Current Mission)								
<u>REQUIREMENT:</u> This range is required for all units of the North Dakota Army National Guard to accomplish necessary combat weapons training and qualification during inactive duty training periods, thus saving annual training time for collective training and maneuvers.								
<u>CURRENT SITUATION:</u> There is no Modified Record Fire Range in the state. Individual rifle qualification is being done on 25 meter basic zero ranges. These ranges do not provide the realism in training required to meet combat training objectives. The nearest facility of the proposed type is Camp Grayling, MI which is not practical to use for training NDARNG troops.								
<u>IMPACT IF NOT PROVIDED:</u> If not provided, units will continue to train on inadequate ranges. The combat weapons training requirements will not be met, thus degrading overall readiness.								

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993								
3. INSTALLATION AND LOCATION CAMP GRAPTON, (DEVILS LAKE), NORTH DAKOTA										
4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)	5. PROJECT NUMBER 380059									
<p>12. SUPPLEMENTAL DATA</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started.....1/92</p> <p>(b) Percent complete as of 1 January 1993.....100%</p> <p>(c) Date Design Expected to be 35% Complete.....3/92</p> <p>(d) Date Design Completed.....7/92</p> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes <u>X</u> No <u> </u></p> <p>(b) Where was Design Previously Used? <u>HNDM 1110-1-5</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications.....(0)</p> <p>(b) All other design costs.....(0)</p> <p>(c) Total.....(45)</p> <p>(d) Contract.....(45)</p> <p>(e) In-House.....(0)</p> <p>(4) CONSTRUCTION START..... 4/94</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1" data-bbox="205 878 766 987"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Remote Target System (RETS)</td> <td>OPA</td> <td>94</td> <td>341</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Remote Target System (RETS)	OPA	94	341
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
Remote Target System (RETS)	OPA	94	341							

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 2 13	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA					4. AREA CONSTR COST INDEX	
5. FREQUENCY AND TYPE UTILIZATION USED SEVEN (7) DAYS PER WEEK FOR NORMAL UTILITY HEATING DURING THE HEATING SEASON (APPROXIMATELY THIRTY (30) WEEKS PER YEAR)						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS						
ARNG: CANDO		(35 MILES)	60 ARMORY	15,204 SF	1957	
RUGBY		(57 MILES)	60 ARMORY	18,793 SF	1957	
CARRINGTON		(57 MILES)	60 ARMORY	13,624 SF	1941	
7. PROJECTS REQUESTED IN THIS PROGRAM						
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS</u>		
171	HEATING PLANT ADDITION	1320 SF	1826	01/91	12/92	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION N/A						
9. LAND ACQUISITION REQUIRED NONE						
0 (Number of Acres)						
10. PROJECTS PLANNED IN NEXT FOUR YEARS						
PROJECT		FY	COST (\$000)			
MODIFIED RECORD FIRE RANGE (RETS)		94	\$1,038			
KNOWN DISTANCE RANGE		96	482			
COMBINED SUPPORT MAINTENANCE SHOP PAINT SHOP		96	1,800			

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE .. 883	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA						
11. PERSONNEL STRENGTH AS OF 30 SEP 92						
	<u>TOTAL</u>	<u>PERMANENT</u>		<u>CIVILIAN</u>	<u>GUARD/RESERVE</u>	
		<u>OFFICER</u>	<u>ENLISTED</u>		<u>TOTAL</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	<u>3916</u>	<u>416</u>
ACTUAL	_____	_____	_____	_____	<u>3994</u>	<u>433</u>
12. RESERVE UNIT DATA						
					STRENGTH	
	UNIT DESIGNATION				<u>AUTHORIZED</u>	<u>ACTUAL</u>
	ALL NORTH DAKOTA ARMY NATIONAL GUARD				3,916	3,994
13. MAJOR EQUIPMENT AND AIRCRAFT						
	TYPE				AUTHORIZED	ACTUAL
	N/A					
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
					(0000)	
A.	AIR POLLUTION				NONE	
B.	WATER POLLUTION				NONE	
C.	OCCUPATIONAL SAFETY AND HEALTH				NONE	

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1283	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA			4. PROJECT TITLE HEATING PLANT ADDITION		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 380065	8. PROJECT COST (\$000) 1,826		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....	SF	1,320	75.00	1,499	
BUILDING ADDITION.....	LS	-	-	(99)	
EQUIPMENT CONVERSIONS.....				(1,400)	
SUPPORTING FACILITIES.....				216	
DISTRIBUTION SYSTEM.....	LF	1,500	125.00	(188)	
SITWORK.....	LS	-	-	(5)	
UTILITIES.....	LS	-	-	(20)	
SIDEWALKS.....	SF	1,000	3.00	(3)	
SUBTOTAL.....				1,715	
CONTINGENCY (5%).....				86	
SUPERVISION, INSP & OVERHEAD (1.42%).....				25	
TOTAL REQUEST.....				1,826	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD				(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
This construction will consist of a specially designed permanent masonry construction to match existing facility, concrete block interior walls open web joint, metal deck, insulated, built-up roof system, concrete floors, and all necessary mechanical and electrical equipment. Additional steam distribution system and utility connections are included in this construction.					
<u>Air Conditioning:</u> None					
11. REQUIREMENT: 0 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF					
<u>PROJECT:</u> Two additional coal fired boilers and supporting control room area to provide additional heating capability for proposed construction at Camp Grafton, North Dakota. In conformance with the current mission, this proposed construction is intended to provide the additional heating capability to adequately support six (6) currently serviced facilities and five (5) additional facilities identified and programmed for construction. (Current Mission)					
<u>REQUIREMENT:</u> The installation of additional boilers is requested to provide the required heating capability for approximately 60,000 SF of additional functional space programmed for construction. It is imperative that this construction project be accomplished prior to a proposed addition to the CSMS at this location. The heating capacity of this additional system is required to service the above mentioned project.					
<u>CURRENT SITUATION:</u> The existing heating system is extremely efficient and is in excellent condition. It is not sized for the proposed additional construction at Camp Grafton. Original studies indicate that this type of system will continue to be more efficient than installation of individual heating plants in new construction.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA		
4. PROJECT TITLE HEATING PLANT ADDITION		5. PROJECT NUMBER 380065
<p>11. REQUIREMENT (CONTINUED)</p> <p><u>IMPACT IF NOT PROVIDED:</u> The present system is unable to service additional construction, therefore, as current facilities are expanded to meet the increasing force structure, individual facility heating plants will be needed thereby increasing costs for both installation and energy.</p>		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 3	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA			
4. PROJECT TITLE HEATING PLANT ADDITION	5. PROJECT NUMBER 380065		
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>1/91</u>			
(b) Percent complete as of 1 January 93..... <u>100%</u>			
(c) Date Design Expected to be 35% Complete.. <u>2/91</u>			
(d) Date Design Completed..... <u>12/92</u>			
(2) BASIS:			
(a) Standard or Definitive Design - Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)			
(a) Production of Plans and Specifications... (<u>0</u>)			
(b) All Other Design Costs..... (<u>0</u>)			
(c) Total..... (<u>77</u>)			
(d) Contract..... (<u>77</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>4/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
NONE			

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 92	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH				4. AREA CONSTR COST INDEX 89.0	
5. FREQUENCY AND TYPE UTILIZATION CAMP WILLIAMS IS A YEAR-ROUND TRAINING SITE USED BY NATIONAL GUARD, ARMY RESERVE, AND ACTIVE DUTY UNITS. WEEK-END USE AVERAGES 42-45 WEEK-ENDS PER YEAR. ANNUAL TRAINING BY RESERVE FORCES AVERAGES 15-20 WEEKS PER YEAR, AND RESERVE AND ACTIVE COMPONENTS 10-12 WEEKS PER YEAR.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG:	AMERICAN FORK (13 MILES)	ARMORY	21,458 SF	1956	
	LEHI (7 MILES)	ARMORY	14,386 SF	1958	
	MURRAY (16 MILES)	ARMORY	19,727 SF	1955	
	WEST JORDAN (11 MILES)	ARMORY	14,822 SF	1977	
	WEST JORDAN (11 MILES)	ARMORY	36,194 SF	1977	
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
179	INFANTRY SQUAD BATTLE COURSE (RETS)	LS	1,066	11/92	03/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMEND UNILATERAL CONSTRUCTION.				09 DEC 92 (Date)	
9. LAND ACQUISITION REQUIRED					
				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT		FY	COST (\$000)		
HOUT ASSAULT COURSE		94	850		
TISA FACILITY		97	1,174		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".					

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 92		
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	<u>5870</u>	<u>969</u>	<u>4901</u>
ACTUAL	_____	_____	_____	_____	<u>6171</u>	<u>911</u>	<u>5260</u>
12. RESERVE UNIT DATA							
UNIT DESIGNATION					STRENGTH		
ARNG/USAR INFANTRY, SPECIAL FORCES AND ENGINEER UNITS FROM UTAH, COLORADO AND CALIFORNIA					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
					5,870	6,171	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
N/A							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 143	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 490058	8. PROJECT COST (\$000) 1,066	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					660
INFANTRY SQUAD BATTLE COURSE.....		LS	-	-	(660)
SUPPORTING FACILITIES.....					341
SITE PREPARATION.....		LS	-	-	(25)
CLEARING & GROUNDS.....		AC	18	2100.00	(38)
SEEDING & EROSION CONTROL.....		AC	18	1500.00	(27)
PARKING AREA/ACCESS ROADS.....		SY	12000	4.75	(57)
TARGET STORAGE & REPAIR.....		SF	800	45.00	(36)
AMMO BREAKDOWN.....		SF	120	55.00	(7)
COVERED MESS/LATRINE.....		SF	1000	43.00	(43)
UTILITIES.....		LS	-	-	(108)
SUBTOTAL.....					1,001
CONTINGENCY (5%).....					50
SUPERVISION, INSP & OVERHEAD (1.45%).....					15
TOTAL REQUEST.....					1,066
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					(360)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
New construction of a one lane Infantry Sqsd Battle Course with control tower, target storage/repair building, ammo breakdown building, covered mess, access road/parking, latrines and utilities.					
<u>Air Conditioning:</u> 1 ton to control tower					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
<u>PROJECT:</u> A one lane Infantry Squad Battle Course for live fire training and practice engaging targets in a simulated combat enviroment. (Current Mission)					
<u>REQUIREMENT:</u> This range is needed to support the Utah National Guard and NCO Academy that presently train at the Camp Williams Training Site.					
<u>CURRENT SITUATION:</u> The existing ranges currently in operation don't have simulated combat training where maneuver training with live fire can be performed.					
<u>IMPACT IF NOT PROVIDED:</u> Camp Williams is the only centrally located area that could support this range. Units need to receive this type of training under simulated combat conditions to maintain their readiness posture.					

1. COMPONENT ARRG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 33	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			
4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)		5. PROJECT NUMBER 490058	
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>11/92</u>			
(b) Percent complete as of 1 January 1993..... <u>80%</u>			
(c) Date Design Expected to be 35% Complete..... <u>3/92</u>			
(d) Date Design Completed..... <u>3/93</u>			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u>X</u> No <u> </u>			
(b) Where was Design Previously Used? <u>CEHND-1110-1-19</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications..... (<u>0</u>)			
(b) All other design costs..... (<u>0</u>)			
(c) Total..... (<u>46</u>)			
(d) Contract..... (<u>46</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>4/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Remoted Target System (RETS)	OPA	94	360

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 0303	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH					4. AREA CONST COST INDEX 89.0	
5. FREQUENCY AND TYPE UTILIZATION CAMP WILLIAMS IS A YEAR-ROUND TRAINING SITE USED BY NATIONAL GUARD, ARMY RESERVE, AND ACTIVE DUTY UNITS. WEEK-END USE AVERAGES 42-45 WEEK-ENDS PER YEAR. ANNUAL TRAINING BY RESERVE FORCES AVERAGES 12-16 WEEKS PER YEAR, AND RESERVE AND ACTIVE COMPONENTS 6-10 WEEKS PER YEAR.						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS						
ARNG: AMERICAN FORK (13 MILES) ARMORY 21,458 SF 1956						
LEHI (7 MILES) ARMORY 14,386 SF 1958						
MURRAY (16 MILES) ARMORY 19,727 SF 1955						
WEST JORDAN (11 MILES) ARMORY 14,822 SF 1977						
WEST JORDAN (11 MILES) ARMORY 36,194 SF 1977						
7. PROJECTS REQUESTED IN THIS PROGRAM						
CATEGORY CODE		PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
179		MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE	7 BLDGS	850	12/91	04/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION						
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE					09 DEC 92 (Date)	
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDEND UNILATERAL CONSTRUCTION.						
9. LAND ACQUISITION REQUIRED						
					0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS						
PROJECT			FY	COST (\$000)		
INFANTRY SQD BATTLE COURSE			94	1,066		
TISA FACILITY			97	1,174		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".						

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1993		
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT</u>		<u>CIVILIAN</u>	<u>GUARD/RESERVE</u>		
		<u>OFFICER</u>	<u>ENLISTED</u>		<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	<u>5870</u>	<u>969</u>	<u>4901</u>
ACTUAL	_____	_____	_____	_____	<u>6171</u>	<u>911</u>	<u>5260</u>
12. RESERVE UNIT DATA							
UNIT DESIGNATION					STRENGTH		
ARNG/USAR INFANTRY, SPECIAL FORCES AND ENGINEER UNITS FROM UTAH, COLORADO AND CALIFORNIA					<u>AUTHORIZED</u>		<u>ACTUAL</u>
					5,870		6,171
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE		AUTHORIZED			ACTUAL		
N/A							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			4. PROJECT TITLE MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 490087		8. PROJECT COST (\$000) 850
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					446
8 STRUCTURES.....		LS	-	-	(446)
SUPPORTING FACILITIES.....					352
SITE PREPARATION AND EROSION CONTROL.....		LS	-	-	(68)
OBSERVATION STATIONS.....		LS	-	-	(5)
TARGET STORAGE/AMMO BUILDING.....		SF	1000	51.00	(51)
COVERED MESS/LATRINE.....		SF	1000	48.00	(48)
ACCESS ROAD/REPAIR.....		SY	3200	10.00	(32)
UTILITY SYSTEM/FLAG POLE.....		LS	-	-	(53)
EARTH WORK.....					(90)
STORM DRAINAGE.....		LS	-	-	(5)
SUBTOTAL.....					798
CONTINGENCY (5%).....					40
SUPERVISION, INSP & OVERHEAD (1.50%).....					12
TOTAL REQUEST.....					850
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					(15)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
New construction of a Military Operations in Urbanized Terrain (MOUT) Assault Course with an underground sewer trainer, and seven other facilities to represent an urban setting, observation platforms, target storage/repair building, ammo breakdown building, covered mess, access road/parking, latrines and utilities.					
<u>Air Conditioning:</u> NONE					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
<u>PROJECT:</u> Construction of a MOUT Assault Course (MAC) for training and practice engaging targets in a simulated combat environment in urbanized areas. (Current Mission)					
<u>REQUIREMENT:</u> This range is needed to support the Utah National Guard and NCO Academy that presently train at the Camp Williams Training Site.					
<u>CURRENT SITUATION:</u> The existing ranges currently in operation are: The pistol range, M-16 known distance range, 25 meter range, M-60/M-2 range, demolition range, hand grenade and field fire range.					
<u>IMPACT IF NOT PROVIDED:</u> Camp Williams is the only centrally located area that could support this range. If not provided, units would have to travel to Fort Benning, Georgia to train on this range. An adverse range situation would exist if not provided. Units required to fire on this range would not be able to qualify and, therefore, not meet a readiness posture.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			
4. PROJECT TITLE MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE	5. PROJECT NUMBER 490087		
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA: -			
(1) STATUS:			
(a) Date Design Started.....12/91			
(b) Percent complete as of 1 January 1993.....80%			
(c) Date Design Expected to be 35% Complete.....3/92			
(d) Date Design Completed.....4/93			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u>X</u> No <u> </u>			
(b) Where was Design Previously Used? <u>HNDM-1110-1-7</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications.....(0)			
(b) All other design costs.....(0)			
(c) Total.....(38)			
(d) Contract.....(38)			
(e) In-House.....(0)			
(4) CONSTRUCTION START..... 4/94			
b. Equipment associated with this project which will be provided			
from other appropriations:			
Equipment <u>Nomenclature</u> Target Mechanisms	<u>Procuring</u> <u>Appropriation</u> AMSCO 518893.16	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u> 94	<u>Cost</u> <u>(\$000)</u> 15

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE			
3. INSTALLATION AND LOCATION EXISTING ARMORIES IN VARIOUS STATES				4. PROJECT TITLE ARMORY UNIT STORAGE BUILDINGS				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 999411		8. PROJECT COST (\$000) 750			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....								550
STORAGE BUILDING.....					LS	-	-	(550)
SUPPORTING FACILITIES.....								158
SITE PREPARATION.....					LS	-	-	(90)
FENCING.....					LS	-	-	(48)
SECURITY LIGHTING.....					LS	-	-	(20)
SUBTOTAL.....								708
CONTINGENCY (5%).....								30
SUPERVISION, INSP & OVERHEAD (2%).....								12
TOTAL REQUEST.....								750
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD								(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
An unheated pre-engineered metal, pre-cast or masonry building on a concrete slab foundation with minimal lighting and electrical outlets, and gravity ventilation. Support facilities for this type building include security lighting and security fencing.								
<u>Air Conditioning:</u> NONE								
11. REQUIREMENT: N/A ADEQUATE: N/A SUBSTANDARD: N/A								
<u>PROJECT:</u> The various States have identified a shortage in armory unit storage, estimated at \$6.1 million for 50 buildings of various sizes and capacities. These warehouses, with minimal support features, will be constructed adjacent to existing armories. This is a multi year program, with this phase acquiring approximately 10 storage buildings for various locations throughout the country.								
<u>REQUIREMENT:</u> These facilities are required to supplement the existing inadequate supply rooms at armories where increases in pre-mobilization mission has outstripped all storage capabilities.								
<u>CURRENT SITUATION:</u> Most armories do not have adequate space within the existing building to Store and safeguard the equipment issued under current Authorized Level of Organization (ALO) for mobilization.								
<u>IMPACT IF NOT PROVIDED:</u> Increase amounts of authorized supplies and equipment must be safeguarded and be reasonably secure from the elements. Other training and administrative space will be converted into secure storage space with the adverse effects on the unit's training and readiness mission.								

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE			
3. INSTALLATION AND LOCATION EXISTING ARMORIES IN VARIOUS STATES				4. PROJECT TITLE INDOOR RANGE MODERNIZATION				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 999914		8. PROJECT COST (\$000) 637			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....								500
INDOOR RANGES.....					LS	-	-	(500)
SUPPORTING FACILITIES.....								93
SITE PREPARATION.....					LS	-	-	(93)
SUBTOTAL.....								593
CONTINGENCY (5%).....								31
SUPERVISION, INSP & OVERHEAD (2%).....								13
TOTAL REQUEST.....								637
EQUIP PROVIDED FORM OTHER FED APPR..NON ADD								(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
Correct environmental conditions, remove hazardous lead particles contamination at armory indoor rifle ranges, install ventilation systems, air exhaust systems, adequate bullet traps and acoustical treatment. Construct new ranges if necessary with these same features.								
<u>Air Conditioning:</u> NONE								
11. REQUIREMENT: N/A ADEQUATE: N/A SUBSTANDARD: N/A								
<u>PROJECT:</u> Modernize or replacement of closed indoor rifle ranges are required for small arms and marksmanship training for members of reserve components assigned at various locations throughout the country. This is a multi year program to correct the deficiencies which have closed indoor ranges at 100 armories. If range modernization is not cost effective, replacement indoor ranges will be constructed. Approximately 10 closed ranges will be corrected during this phase of the program.								
<u>REQUIREMENT:</u> The States have identified indoor ranges that are closed or severely curtailed because of hazardous amounts of airborne lead and lead oxide particles, lack of ventilation, inadequate acoustics and other health and safety problems. Return of these ranges to functional training use is required to acquire necessary individual weapons and marksmanship training by assigned Army National Guard units during periods of inactive duty training.								
<u>CURRENT SITUATION:</u> The indoor ranges are closed, limited, or severely restricted because of health risk to military personnel.								
<u>IMPACT IF NOT PROVIDED:</u> The lack of marksmanship familiarization and qualification practice during inactive duty training periods will effect combat readiness.								

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT			4. AREA CONSTR COST INDEX .88	
5. FREQUENCY AND TYPE UTILIZATION THIS FACILITY IS USED BY THE FULL-TIME WORK/FORCE 5 DAYS A WEEK AND TWO WEEKENDS PER MONTH.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG:	SO. BURLINGTON (2 MILES)	AASF	39,744 SF	1954
	WINOOSKI (2 MILES)	ARMORY	12,365 SF	1955
	WILLISTON (6 MILES)	ARMORY	12,294 SF	1958
	BURLINGTON (8 MILES)	ARMORY	19,630 SF	1957
USAR:	COLCHESTER (.5 MILES)	ARMORY	21,241 SF	1984
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOP	10,835 SF	1002	11/88 11/90
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				19 FEB 92
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITY BOARD FOR POSSIBLE JOINT USE / EXPANSION. THE BOARD RECOMMENDED UNILATERAL CONSTRUCTION.				(Date)
9. LAND ACQUISITION REQUIRED				0
NONE				(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
NONE				
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"				

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE SEP 93					
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	PERMANENT		GUARD/RESERVE				
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZE	16	1	15	---	739	171	568
ACTUAL	16	1	15	---	719	144	575
12. RESERVE UNIT DATA							
					STRENGTH		
	UNIT DESIGNATION				AUTHORIZED		ACTUAL
	HEADQUARTERS 186 FORWARD SUPPORT BATTALION UIC: WV53AA TPSN: 0205035				31		27
	C COMPANY/186 FORWARD SUPPORT BATTALION UIC: WV53BD TPSN: 0205035				82		66
	COMPANY B (-) 186 FORWARD SUPPORT BATTALION UIC: WV53DD TPSN: 0205035				198		172
	HEADQUARTERS, DETACHMENT 86TH AIR TRAFFIC CONTROL BATTALION UIC: WVSHAA TPSN: 30611				69		66
	(CONTINUED ON PAGE 3)						
13. MAJOR EQUIPMENT AND AIRCRAFT							
	TYPE				AUTHORIZED		ACTUAL
	WHEELED VEHICLES				260		221
	TRAILERS				103		63
	TRACKED VEHICLES				0		1
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
	A. AIR POLLUTION				NONE		
	B. WATER POLLUTION				NONE		
	C. OCCUPATIONAL SAFETY AND HEALTH				NONE		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 03
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP	5. PROJECT NUMBER 500009	
12. RESERVE UNIT DATA (CONTINUED)		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
150 AIR TRAFFIC CONTROL PLATOON/ 86 AIR TRAFFIC CONTROL BATTALION UIC: WVG4AA TPSN: 30613	38	36
186 AVIATION COMPANY UIC: WVF1A0 TPSN: 0205003	139	144
HEADQUARTERS/STATE AREA COMMAND-VERMONT UIC: W8BFAA TPSN: 46751	170	196
50 AIR TRAFFIC CONTROL/86 AIR TRAFFIC CONTROL UIC: WVHUA TPSN: 30613	<u>12</u>	<u>12</u>
TOTAL	739	719

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 993	
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT			4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 500009	8. PROJECT COST (\$000) 1,002		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				834	
ORGANIZATIONAL MAINTENANCE SHOP.....	SF	10835	77.00	(834)	
SUPPORTING FACILITIES.....				106	
SITE PREPARATION.....	LS	-	-	(16)	
FUEL STORAGE & DISPENSING SYSTEM.....	LS	-	-	(35)	
FENCING.....	LS	-	-	(8)	
PAVING (FLEXIBLE).....	LS	-	-	(22)	
IN GROUND LIFTS.....	LS	-	-	(17)	
UTILITIES: WATER/SEWER/GAS/TELECOM.....	LS	-	-	(8)	
SUBTOTAL.....				940	
CONTINGENCY (5%).....				47	
SUPERVISION, INSP & OVERHEAD (1.47%).....				15	
TOTAL REQUEST.....				1,002	
EQUIP PROVIDED FROM OTHER APPRNON ADD				(6)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
A maintenance facility with 8 work bays plus an administrative work area constructed of masonry, built-up roof and concrete floor. Supporting facilities include fuel dispensing system, military vehicle parking, site preparation, and utilities.					
<u>Air Conditioning: NONE</u>					
11. REQUIREMENT: 10,835 SF ADEQUATE; 0 SF SUBSTANDARD; 4,574 SF PROJECT. A new maintenance shop to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop. (Current Mission)					
<u>REQUIREMENT:</u> A facility requirement for 10,835 SF to permit organizational level maintenance to be performed on additional and new types of vehicles authorized by Table of Organization and Equipment/Table Distribution & Allowances of the supported units.					
<u>CURRENT SITUATION:</u> The existing shop contains 4,574 SF and is inadequate and cannot support current authorized equipment in an efficient and cost effective manner because of insufficient workbay space, administrative, and storage space.					
<u>IMPACT IF NOT PROVIDE:</u> The quality of work will decrease and supported unit combat readiness will be adversely affected by inadequate maintenance support space.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 83	
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT			
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		5. PROJECT NUMBER 500009	
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... <u>11/88</u>			
(b) Percent complete as of 1 January 93..... <u>100%</u>			
(c) Date Design Expected to be 35% Complete.. <u>10/89</u>			
(d) Date Design Completed..... <u>11/90</u>			
(2) BASIS:			
(a) Standard or Definitive Design - Yes <u> </u> No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)			
(a) Production of Plans and Specifications... (<u>0</u>)			
(b) All Other Design Costs..... (<u>0</u>)			
(c) Total..... (<u>41</u>)			
(d) Contract..... (<u>41</u>)			
(e) In-House..... (<u>0</u>)			
(4) CONSTRUCTION START..... <u>4/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Telecommunication	AMSCO 519895.10	94	3
Furniture	AMSCO 515891.30	94	3

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 95
3. INSTALLATION AND LOCATION YAKIMA TRNG CENTER, (YAKIMA) WASHINGTON		4. AREA CONSTR COST INDEX 102.0	
5. FREQUENCY AND TYPE UTILIZATION RANGE WILL BE USED TO SUPPORT 44 WEEKENDS OF INACTIVE DUTY TRAINING AND 16 WEEKS OF ANNUAL TRAINING BY NATIONAL GUARD AND RESERVE COMPONENTS (USAR, USMCR) FROM WASHINGTON, IDAHO AND OREGON. THIS FACILITY WILL ALSO BE USED BY THE ACTIVE COMPONENT.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG:	YAKIMA TRNG CTR (0 MILES)	MATES	31270 SF 1976
	YAKIMA (7 MILES)	ARMORY	32880 SF 1921
USAR:	YAKIMA TRNG CTR (0 MILES)	ARF CENTER	21000 SF 1981
USMCR:	YAKIMA (9 MILES)	ARF CENTER	35000 SF 1973
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
179	MODIFIED MACHINE GUN/ RIFLE RANGE (RETS)	16 LANES	1,527
			03/92 04/93
DESIGN STATUS			
			START COMPLETE
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE			16 APR 92
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE			(Date)
JOINT USE/EXPANSION. THE BOARD RECOMMENDEND UNILATERAL CONSTRUCTION.			
9. LAND ACQUISITION REQUIRED			
NONE			0
(Number of Acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
PROJECT	FY	COST (\$000)	
MATES ADDITION/ALTERATION	97	2,628	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".			

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE SEP 92	
3. INSTALLATION AND LOCATION YAKIMA TNG CENTER, (YAKIMA) WASHINGTON						
11. PERSONNEL STRENGTH AS OF 30 SEP 92						
		PERMANENT			GUARD/RESERVE	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	7598	917 6681
ACTUAL	_____	_____	_____	_____	6947	812 6135
12. RESERVE UNIT DATA						
UNIT DESIGNATION					STRENGTH	
ARNG/USAR UNITS FROM THE STATE OF WASHINGTON, IDAHO, OREGON AND MONTANA					<u>AUTHORIZED</u>	<u>ACTUAL</u>
					7,598	6,947
13. MAJOR EQUIPMENT AND AIRCRAFT						
TYPE					AUTHORIZED	ACTUAL
N/A						
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES						
					(\$000)	
A.	AIR POLLUTION				NONE	
B.	WATER POLLUTION				NONE	
C.	OCCUPATIONAL SAFETY AND HEALTH				NONE	

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 17 93	
3. INSTALLATION AND LOCATION YAKIMA TRAINING CENTER (YAKIMA), WASHINGTON			4. PROJECT TITLE MODIFIED MACHINE GUN RIFLE/RANGE (RETS)		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 530049		8. PROJECT COST (\$000) 1,527
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					973
MODIFIED MACHINE GUN & RIFLE RANGE.....		LS	-	-	(951)
CONTROL TOWER.....		SF	120	180.00	(22)
SUPPORTING FACILITIES.....					461
SITE PREPARATION/EROSION CONTROL.....		LS	-	-	(55)
RANGE BUILDINGS.....		LS	-	-	(215)
ACCESS ROAD, PARKING & SERVICE TRAIL.....		LS	-	-	(80)
UTILITIES: ELECTRIC, TELECOM.....		LS	-	-	(95)
FLAG POLE.....		LS	-	-	(2)
NIGHT LIGHTING.....		LS	-	-	(14)
SUBTOTAL.....					1,434
CONTINGENCY (5%).....					72
SUPERVISION, INSP & OVERHEAD (1.4%).....					21
TOTAL REQUEST.....					1,527
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					(638)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>This project consists of construction of a sixteen-lane modified record fire (RETS) rifle range superimposed upon an eight-lane (RETS) machine gun range incorporating the use of computer controlled, pop-up targets to simulate enemy soldiers at varying, unmarked ranges from 50 to 1000 meters. Supporting facilities include an ammunition breakdown building, range control tower and computer building, target storage and maintenance building, latrine facility, concurrent training site, and the required serving utilities. Site preparation, access road and vehicle parking is included in the project.</p> <p><u>Air Conditioning:</u> 1 ton for control tower</p> <p>11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A</p> <p><u>PROJECT:</u> Construction of a sixteen-lane modified record fire rifle range superimposed upon an eight-lane machine gun range using remoted electronic target system (RETS). (Current Mission)</p> <p><u>REQUIREMENT:</u> This geographically centralized range is required for use by all units of the Washington Army National Guard and other Reserve Components to accomplish the necessary weapons training and qualification on a weapons training range which simulates realistic combat for use during inactive duty training. The Active Component (7th Division) will also have the need and opportunity to use this training facility.</p> <p><u>CURRENT SITUATION:</u> There are no modified rifle or machine gun ranges using RETS targetry in the State of Washington that meet the minimum U.S. Army standards. Fort Lewis rifle ranges are adequate but time loss due to travel from the eastern portion of the state precludes their use by Eastern Washington ARNG units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Weapons training objectives in a combat environment will not be adequately met thus the overall individual and unit readiness will be adversely effected.</p>					

1. COMPONENT ARNG'	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 12 1993												
3. INSTALLATION AND LOCATION YAKIMA TRAINING CENTER (YAKIMA), WASHINGTON														
4. PROJECT TITLE MODIFIED MACHINE GUN RIFLE/RANGE (RETS)	5. PROJECT NUMBER 530049													
<p>12. SUPPLEMENTAL DATA</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started.....3/92</p> <p>(b) Percent complete as of 1 January 1993.....75%</p> <p>(c) Date Design Expected to be 35% Complete.....6/92</p> <p>(d) Date Design Completed.....4/93</p> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes <u>X</u> No <u> </u></p> <p>(b) Where was Design Previously Used? <u>HNDM 1110-1-5</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications.....(0)</p> <p>(b) All other design costs.....(0)</p> <p>(c) Total.....(64)</p> <p>(d) Contract.....(0)</p> <p>(e) In-House.....(64)</p> <p>(4) CONSTRUCTION START..... 3/94</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th data-bbox="212 913 336 954">Equipment Nomenclature</th> <th data-bbox="367 913 502 954">Procuring Appropriation</th> <th data-bbox="543 896 678 954">Fiscal Year Appropriated or Requested</th> <th data-bbox="720 913 782 954">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="212 966 378 1007">Remoted Targetry System (RETS)</td> <td data-bbox="398 966 440 989">OPA</td> <td data-bbox="585 966 606 989">94</td> <td data-bbox="730 966 761 989">610</td> </tr> <tr> <td data-bbox="212 1019 388 1042">Telecommunication</td> <td data-bbox="398 1019 564 1042">AMSCO 529895.10</td> <td data-bbox="585 1019 606 1042">94</td> <td data-bbox="730 1019 751 1042">28</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Remoted Targetry System (RETS)	OPA	94	610	Telecommunication	AMSCO 529895.10	94	28
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1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE			
3. INSTALLATION AND LOCATION VARIOUS, LOCATIONS			4. PROJECT TITLE PROJECTS \$400,000 AND UNDER				
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A		8. PROJECT COST (\$000) 1,024		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PROJECTS \$400,000 AND UNDER.....							1,024
10. DESCRIPTION OF PROPOSED CONSTRUCTION Projects having a funded cost of \$400,000 or less, including construction, alteration or conversion of permanent or temporary facilities.							
11. REQUIREMENT: Included are specified projects that are described and listed on the subsequent page.							

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 1993																												
3. INSTALLATION AND LOCATION VARIOUS, LOCATIONS																														
4. PROJECT TITLE PROJECTS \$400,000 AND UNDER	5. PROJECT NUMBER N/A																													
<table border="1"> <thead> <tr> <th data-bbox="159 354 228 372">Station</th> <th data-bbox="339 354 422 372">Cat Code</th> <th data-bbox="513 354 643 372">Project Title</th> <th data-bbox="695 354 785 372">Cost(000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="166 389 308 446">Hawaii Kauai (PN: 150025)</td> <td data-bbox="370 389 401 407">179</td> <td data-bbox="522 389 681 425">Known Distance Range, Upgrade</td> <td data-bbox="733 389 764 407">334</td> </tr> <tr> <td colspan="4" data-bbox="116 460 857 552"> <p>This project is for the upgrade of a ten point 300 yard Known Distance range into a 400 yard range. Supporting facilities include a target storage building and troop bleachers. This range will allow units on the island to complete training requirements in weapons qualification. (Current Mission)</p> </td> </tr> <tr> <td data-bbox="116 587 291 640">Missouri Ft Crowder (PN: 290053)</td> <td data-bbox="370 587 401 605">171</td> <td data-bbox="522 587 712 622">Troop Medical Training Facility</td> <td data-bbox="733 587 764 605">386</td> </tr> <tr> <td colspan="4" data-bbox="116 657 862 749"> <p>This project is for the construction of a 3,600 square feet masonry building. Supporting facilities include sidewalks, parking and utilities. This facility will allow medical personnel to train in their assigned mission while providing medical support at the training site. (Current Mission)</p> </td> </tr> <tr> <td data-bbox="177 784 319 837">Vermont Ethan Allen (PN: 500023)</td> <td data-bbox="370 784 401 802">171</td> <td data-bbox="522 784 702 820">Training Site Support Facility</td> <td data-bbox="733 784 764 802">304</td> </tr> <tr> <td colspan="4" data-bbox="116 855 842 947"> <p>This project is for the construction of a 5,000 square feet masonry building with three work bays, administrative area, parts/storage rooms, and carpentry/plumbing/electrical shops. This facility houses the personnel which provides maintenance support to the training site buildings and ranges. (Current Mission)</p> </td> </tr> </tbody> </table>			Station	Cat Code	Project Title	Cost(000)	Hawaii Kauai (PN: 150025)	179	Known Distance Range, Upgrade	334	<p>This project is for the upgrade of a ten point 300 yard Known Distance range into a 400 yard range. Supporting facilities include a target storage building and troop bleachers. This range will allow units on the island to complete training requirements in weapons qualification. (Current Mission)</p>				Missouri Ft Crowder (PN: 290053)	171	Troop Medical Training Facility	386	<p>This project is for the construction of a 3,600 square feet masonry building. Supporting facilities include sidewalks, parking and utilities. This facility will allow medical personnel to train in their assigned mission while providing medical support at the training site. (Current Mission)</p>				Vermont Ethan Allen (PN: 500023)	171	Training Site Support Facility	304	<p>This project is for the construction of a 5,000 square feet masonry building with three work bays, administrative area, parts/storage rooms, and carpentry/plumbing/electrical shops. This facility houses the personnel which provides maintenance support to the training site buildings and ranges. (Current Mission)</p>			
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1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE N/A	7. PROJECT NUMBER 999994	8. PROJECT COST (\$000) 522	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
CONCEPT AND FINAL DESIGN.....					(400)
FUTURE YEAR PROJECTS.....					(122)
SUPPORTING FACILITIES.....					0
SUBTOTAL.....					522
CONTINGENCY (0%).....					0
TOTAL REQUEST.....					522
10. DESCRIPTION OF PROPOSED CONSTRUCTION Items provide for concept and final design of construction for Army National Guard facilities.					
11. REQUIREMENT: Funds requested are required for completing the outstanding final design of Military Construction Army National Guard projects programmed for execution during FY 95 and for execution of the planned designs of the FY 96 program. Funding for advanced concept design of critical FY 94 projects will be addressed within overall program constraints. The requested funding permits the design of unspecified or undefined minor construction projects intended to be executed during FY 94.					

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1997	
3. INSTALLATION AND LOCATION APPROPRIATE ARMY NATIONAL GUARD INSTALLATIONS AS NECESSARY			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE N/A	7. PROJECT NUMBER 999904	8. PROJECT COST (\$000) 5,000		
B. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				4,900	
MINOR CONSTRUCTION FACILITIES UNSPECIFIED LOCATIONS.....				(4,900)	
SUPPORTING FACILITIES.....				0	
SUBTOTAL.....				4,900	
CONTINGENCY (0%).....				0	
SUPERVISION, INSP & OVERHEAD.....				100	
TOTAL REQUEST.....				5,000	
EQUIP PROVIDED FORM OTHER FED APPR..NON ADD				(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Unspecified minor construction projects which have a funded cost of \$400,000 or less, including construction, alteration, or conversion of permanent or temporary facilities or land acquisition as authorized. <u>Air Conditioning: NONE</u>					
11. REQUIREMENT: To provide funds for the construction of projects not otherwise authorized by law when the dollar costs are less than \$400,000. Such requirements are the result of recognized facilities shortfalls, or unforeseen conditions resulting from changes in mission and equipment, or to correct damage caused by severe weather or other acts of nature. Based on prior program execution experience, the dollar costs for correcting these identified shortfalls are such that they do not require specific authorization in the regular Military Construction Program.					

**DEPARTMENT OF THE ARMY
UNITED STATES ARMY RESERVE
MILITARY CONSTRUCTION PROGRAM
FY 1994 BUDGET ESTIMATES**



APRIL 1993

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Department of the Army
 Military Construction, Army Reserve - FY 1994
 Index of Locations
 (Dollars in Thousands)

<u>State/ County</u>	<u>Installation and Location Project Title</u>	<u>Auth/ Approp Amount</u>	<u>DD Form 1391 Page No.</u>
INSIDE THE UNITED STATES			
Alabama	Birmingham		
	Battle Projection Center	4,719	II-3
	Subtotal	4,719	
Alaska	Fort Richardson		
	Addition/Alteration to USAR Center/ Organizational Maintenance Shop/ Direct Support-General Support/Area Maintenance Support Activity/ Storage	10,324	II-7
	Subtotal	10,324	
Illinois	Argonne		
	USAR Center/Organizational Maintenance Shop	10,381	II-11
	Subtotal	10,381	
Louisiana	New Orleans		
	Land Acquisition	645	II-15
	Subtotal	645	
North Carolina	Morehead City		
	Addition/Alteration to USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity (Marine)	9,335	II-18
	Subtotal	9,335	

Department of the Army
 Military Construction, Army Reserve - FY 1994
 Index of Locations
 (Dollars in Thousands)

State/ County	Installation and Location Project Title	Auth/ Approp Amount	DD Form 1391 Page No.
Ohio	Columbus		
	USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity/Direct Support- General Support	<u>14,701</u>	II-23
	Subtotal	14,701	
South Carolina	Fort Jackson		
	USAR Center/Organizational Maintenance Shop/Direct Support	<u>10,428</u>	II-27
	Subtotal	10,428	
Washington	Fort Lewis		
	USAR Center/Area Maintenance Support Activity/Organizational Maintenance Shop/Equipment Concentration Site/Warehouse	<u>14,703</u>	II-32
	Subtotal	14,703	
	Subtotal Major Construction	75,236	
Support	Unspecified Minor Construction	2,100	II-34
	Planning and Design	<u>4,897</u>	II-35
	Grand Total Authorization/ TOA	82,233	

Department of the Army
 Military Construction, Army Reserve - FY 1994
 New Mission/Current Mission Listing
 (Dollars in Thousands)

<u>Location</u>	<u>Project</u>	<u>Cost</u>	<u>New/ Current</u>
Birmingham, AL	Battle Projection Center	4,719	N
Ft Richardson, AK	Addition/Alteration to USAR Center/ Organizational Maintenance Shop/ Direct Support-General Support/ Area Maintenance Support Activity/ Storage	10,324	C
Argonne, IL	USAR Center/Organizational Maintenance Shop	10,381	C
New Orleans, LA	Land Acquisition	645	N
Morehead City, NC	Addition/Alteration to USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity (Marine)	9,335	N
Columbus, OH	USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity/Direct Support- General Support	14,701	C
Fort Jackson, SC	USAR Center/Organizational Maintenance Shop/Direct Support	10,428	N
Ft Lewis, WA	USAR Center/Area Maintenance Support Activity/Organizational Maintenance Shop/Equipment Concentration Site/Warehouse	14,703	C
	Total New Mission	25,127	
	Total Current Mission	50,109	
Various Locations	Unspecified Minor Construction	2,100	NA
	Planning and Design	4,897	NA
	Total	82,233	

DEPARTMENT OF THE ARMY
JUSTIFICATION OF ESTIMATES FY 1994APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army Reserve as authorized by Chapter 133 of Title 10, United States Code and military construction Authorization Acts, \$82,233,000 (\$31,500,000) (1) (2), to remain available until September 30, 1998 (1997) (1) (2).

- (1) Insertion of FY 1994 request.
- (2) Deletion of FY 1993 appropriation.

16 MAR 93

Mil. Con., Army Reserve
Program and Financing (in Thousands of dollars)

Identification code	21-2088-O-1-081		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)	
	1992 actual	1993 est.	1993 est.	1994 est.
Programs by activities:				
Direct programs:				
00.0101			99,889	28,690
00.0201			2,000	4,400
00.0301			8,500	8,900
10.0001			110,389	42,190
Financing:				
17.0001				
Recovery of prior year obligations				
Unobligated balance available, start of year:				
21.4002				
For completion of prior year budget plans				
21.4009			-3,120	
Reprogramming from/to prior year budget plans				
Unobligated balance available, end of year:				
24.4002				
For completion of prior year budget plans				
25.0001			371	
Unobligated balance expiring				
40.0001			107,640	42,190
Budget authority (Appropriation)				
Relation of obligations to outlays:				
71.0001				
Obligations incurred				
72.4001				
Obligated balance, start of year				
74.4001				
Obligated balance, end of year				
77.0001				
Adjustments in expired accounts (net)				
78.0001				
Adjustments in unexpired accounts				
90.0001				
Outlays (net)				

Mil. Con., Army Reserve
Program and Financing (in Thousands of dollars)

Identification code	21-2086-0-1-051	Obligations		
		1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
00.0101	Major construction	66,184	57,878	71,896
00.0201	Minor construction	836	4,927	2,646
00.0301	Planning	7,088	7,461	6,852
10.0001	Total	73,908	70,066	81,394
Financing:				
17.0001	Recovery of prior year obligations	-874		
31.4002	Unobligated balance available, start of year:			
	For completion of prior year budget plans	-104,388	-138,318	-110,402
31.4008	Reprogramming from/to prior year budget plans			
	Unobligated balance available, end of year:	138,318	110,402	111,241
24.4002	For completion of prior year budget plans	371		
28.0001	Unobligated balance expiring			
40.0001	Budget authority (Appropriation)	107,640	42,150	82,233
Relation of obligations to outlays:				
71.0001	Obligations incurred	72,908	70,066	81,394
72.4001	Obligated balance, start of year	60,736	87,755	50,486
74.4001	Obligated balance, end of year	-87,785	-80,486	-47,379
77.0001	Adjustments in expired accounts (net)	-187		
78.0001	Adjustments in unexpired accounts	-874		
90.0001	Outlays (net)	48,118	107,358	84,481

16 MAR 93

Mil. Con., Army Reserve
Object Classification (in Thousands of dollars)

Identification code	21-2088-O-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.101	Full-time permanent	1,841	8,280	8,639
111.901	Total personnel compensation	1,841	8,280	8,639
112.101	Personnel Benefits: Civilian personnel	307	658	1,457
121.001	Travel and transportation of persons	106	232	594
122.001	Transportation of things	1	25	7
123.101	Rental payments to GSA	11	25	68
124.001	Printing and reproduction	65	32	214
Other services:				
125.204	Other	19,848	14,848	37,416
126.001	Supplies and materials	11	27	49
132.001	Land and structures	51,920	48,954	32,849
199.001	Total Direct obligations	73,908	70,066	81,394
999.901	Total obligations	73,908	70,066	81,394

MILITARY CONSTRUCTION, ARMY RESERVE
FY 1994

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long and short term adverse degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

Reserve Potential

The Reserve potential to meet and maintain authorized strengths of all Reserve flying/nonflying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having Reserve flying/nonflying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those Reserve units.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

Use of Excess Schools and Other Buildings

Considerations were made to utilize available commercial or academic buildings but none were suitable except as identified by specific projects in this request.

Placement of Reserve Component Units in Local Communities

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve units in the areas where units are to be located has been reviewed in accordance with the procedures described in DoD Directive 1225.7. It has been determined, in coordination with the other Military Departments

SPECIAL PROGRAM CONSIDERATIONS

(continued)

having Reserve units in the area, that the number of Reserve components presently located in the area, and those units having been allocated to this area for future activation, is not and shall not be larger than the number that reasonably may be maintained at authorized strength.

Facility Planning and Design Guide

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, all fiscal year 1994 projects have been screened against the Resolution Trust Corporation's (RTC) Real Estate Asset Inventory.

Congressional Reporting Requirements

The following paragraph, titled "Maintenance and Repair of Real Property," is in response to the Senate Appropriations Committee requirement contained on page 24 (Non-MILCON Construction Activities) of the Report #100-200 and page 1006 (Non-MILCON Construction activities), Senate and House Conference Report #100-498.

<u>Appropriation</u>	<u>Cost (\$000)</u>
Operation and Maintenance, Army Reserve	
- Maintenance and Repair	49.5
- Minor Construction	6.3

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION Birmingham USARC #2, Birmingham, AL				4. AREA CONSTR COST INDEX 0.83	
5. FREQUENCY AND TYPE UTILIZATION Reservists - 4 weekends/month; 2 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USARC, Birmingham, AL - 9 miles USARC, Birmingham, AL - 10 miles ARNG Armory, Birmingham, AL - 9 miles ARNG Armory, Homewood, AL - 11 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>(\$000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u>	
171-40	Battle Projection Center	37,804 SF	4,719	03/91	08/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.					07 Oct 92 (Date)
9. LAND ACQUISITION REQUIRED None				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93		
3. INSTALLATION AND LOCATION Birmingham USARC #2, Birmingham, AL							
11. PERSONNEL STRENGTH AS OF Oct 92							
	PERMANENT			GUARD/RESERVE			
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	<u>58</u>	<u>12</u>	<u>23</u>	<u>23</u>	_____	_____	_____
ACTUAL	<u>46</u>	<u>10</u>	<u>19</u>	<u>17</u>	_____	_____	_____
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
				AUTHORIZED	ACTUAL		
This project will provide a Battle Projection Center to train the commanders and staffs of over 800 units (totaling 4,000 officers) in the Second U.S. Army area. Expected utilization is 50 weekends per year. There are 60 contractor support personnel in addition to the staff of the 87th Maneuver Area Command.							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE			AUTHORIZED	ACTUAL			
None							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
Air Pollution					0		
Water Pollution					0		
Safety and Occupational Health					0		

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION Birmingham USARC #2 Birmingham, AL			4. PROJECT TITLE Battle Projection Center		
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-08158		8. PROJECT COST (\$000) 4,719
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Battle Projection Center		SF	37804	90.00	3402 (3402)
<u>SUPPORTING FACILITIES:</u> Telecommunications		LS			838 (93)
Raised Computer Floor		SF	23080	15.00	(346)
General		LS			(392)
TOTAL CONSTRUCTION COST					4240
Contingencies (5.0%)					212
Supervision and Administration (6.0%)					267
TOTAL PROJECT COST					4719
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a new two-story training building for a Battle Projection Center (BPC). The building will be permanent construction with reinforced concrete grade beams on caisson foundations, concrete floor slabs, and brick veneer exterior walls to match the existing training building. It will include electrical systems, mechanical systems, raised computer floors, security alarm/intrusion detection, and remote/keypad access operated doors for physical security. Supporting facilities will include retaining wall, paving, site improvements, and extension of utilities to serve the project. Air Conditioning: 120 Tons					
11. REQUIREMENT: 37,804 SF Adequate: 0 SF Substandard: 0 SF					
PROJECT: Construct a new building at the existing U.S. Army Reserve Center for a Battle Projection Center (BPC). (New Mission) REQUIREMENT: This project provides a BPC with computer work stations, computer room, telecommunications, administrative, educational, storage, and support areas to train the commanders and staffs of over 800 units (totaling 4,000 officers) in the Second U.S. Army area. The BPC houses the equipment and staff to run Combined Arms Command-Training simulations that give commanders and their staffs high quality, cost effective training. It has three sets of Brigade/Battalion Battle Simulation equipment and one set of Corps Battle Simulation equipment (total 57 work stations, 20 minicomputers, and one mainframe computer). The BPC staff runs computer simulations transmitted over telephone lines to the training units, which remain at home station. This supplements traditional field exercises and makes effective use of available training time for USAR units. The project provides a permanent training complex for the organization, planning, execution, and control of these simulation					

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93
3. INSTALLATION AND LOCATION Birmingham USARC #2 Birmingham, AL		
4. PROJECT TITLE Battle Projection Center	5. PROJECT NUMBER CAR 94-08158	
<p>activities for all units the 87th Maneuver Area Command (MAC) supports. CURRENT SITUATION: The 87th MAC will receive four sets of battle simulation equipment over a period of three fiscal years, beginning in FY 1993. The 87th MAC is now filling the additional personnel positions authorized for the BPC's. There is insufficient facility space to permanently house this equipment, the personnel, and the operational functions of a BPC without degrading the other training missions of the 87th MAC. The first set of equipment (10 work stations and 5 mini-computers) will become operational in the existing training building as a temporary measure by displacing other elements, causing overcrowding until this project is complete. The Corps of Engineers has screened Resolution Trust Corporation properties and found three in Birmingham, AL., that are either too small or excessively large for this project's requirements. IMPACT IF NOT PROVIDED: The existing facility lacks the space to operate effectively as a permanent BPC. The simulation equipment would have to be located elsewhere, requiring new construction at that location. The attendant personnel turbulence would keep the simulation equipment either inoperative or operative at reduced efficiency for an extended period. The simulations will not be available to maintain training standards as constrained budgets reduce mass travel for traditional exercises.</p>		
12. SUPPLEMENTAL DATA:		
<p>a. Estimated Design data:</p> <p>(1) Status:</p> <p>(a) Date Design Started.....03/91</p> <p>(b) Percent Complete as of Jan 93..... 65</p> <p>(c) Date Design 35% Complete.....07/92</p> <p>(d) Date Design Complete.....08/93</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - No</p> <p>(b) Where Design was Mostly Recently Used - N/A</p> <p>(3) Total (c) = (a) + (b) or (d) + (e) : (\$000)</p> <p>(a) Production of Plans and Specifications (388)</p> <p>(b) All Other Design Costs.....(240)</p> <p>(c) Total.....(628)</p> <p>(d) Contract.....(140)</p> <p>(e) In-house.....(488)</p> <p>(4) Construction start.....01/94</p>		
b. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated Or Requested</u>
Furniture	OMAR	1994 187
Wire Partitions	OMAR	1994 15
Metal Lockers	OMAR	1994 2
Shelving	OMAR	1994 6
Total		210

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE APR 93												
3. INSTALLATION AND LOCATION USAR Center, Fort Richardson, AK		4. AREA CONSTR COST INDEX 1.92												
5. FREQUENCY AND TYPE UTILIZATION Reservists - 3 weekends/month; 3 nights/week Full-Time Personnel - 5 days/week														
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USAF, Elmendorf APB, AK - 2 miles AK-ARNG, Camp Carrol, AK - 3 miles AK-ARNG, Camp Denali, AK - 4 miles USNR, Anchorage, AK - 10 miles														
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST (\$000)</th> <th style="text-align: left;">DESIGN STATUS START</th> <th style="text-align: left;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-40</td> <td>Add/Alt USARC/OMS/DS-GS/ AMSA/Storage</td> <td>52,234 SF</td> <td>10,324</td> <td>01/88</td> <td>07/93</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE	171-40	Add/Alt USARC/OMS/DS-GS/ AMSA/Storage	52,234 SF	10,324	01/88	07/93
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE									
171-40	Add/Alt USARC/OMS/DS-GS/ AMSA/Storage	52,234 SF	10,324	01/88	07/93									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>19 May 92</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.														
9. LAND ACQUISITION REQUIRED None <u>0</u> <i>(Number of Acres)</i>														
10. PROJECTS PLANNED IN NEXT FOUR YEARS None														

1. COMPONENT USAR		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE APR 93		
3. INSTALLATION AND LOCATION USAR Center, Fort Richardson, AK							
11. PERSONNEL STRENGTH AS OF Mar 93							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	29	6	17	6	337	37	300
ACTUAL	27	6	15	6	317	43	274
12. RESERVE UNIT DATA							
ASGD/AUTH 94%				STRENGTH			
UNIT DESIGNATION					AUTHORIZED	ACTUAL	
DET 1, 1984 USA HOSPITAL					34	58	
AK SAT, 4960 USARF SCHOOL					10	7	
CO A (-), 813 EN BEN (C) (H)					85	82	
HSC, 813 ENGR BN (C) (H)					<u>208</u>	<u>170</u>	
Totals					337	317	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
Wheeled Vehicles					152	73	
Trailers					74	25	
Tracked Vehicles					<u>11</u>	<u>8</u>	
Totals					237	106	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
Air Pollution					0		
Water Pollution					0		
Safety and Occupational Health					0		

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center Fort Richardson, AK			4. PROJECT TITLE Add/Alt/USARC/OMS/DS-GS/AMSA/ Storage		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-01494	8. PROJECT COST (\$000) 10,324		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES:					7585
Training Building		SF	34551	151.94	(5250)
Maintenance Building Addition		SF	11491	162.24	(1864)
Maintenance Building Alteration		SF	6192	76.00	(471)
SUPPORTING FACILITIES:					1691
Site Improvement		LS			(275)
Telecommunications		LS			(62)
Paving		LS			(209)
Lighting		LS			(50)
Site Preparation and Demolition		LS			(250)
Site Utilities		LS			(612)
Storm Drainage & Fencing		LS			(56)
Trees (Replacement)		LS			(20)
Information Systems (Fiber Optic)		LS			(157)
TOTAL CONSTRUCTION COST					9276
Contingencies (5.0%)					464
Supervision and Administration (6.0%)					584
TOTAL PROJECT COST					10324
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construction will be a single story, concrete slab-on-grade flooring, masonry and steel structure with protected membrane roof system complete with an integrated site development. Air Conditioning: 0 Tons					
11. REQUIREMENT: 52,234 SF Adequate: 0 SF Substandard: 6,192 SF					
PROJECT: Add to and alter the existing maintenance facility and construct new training center with storage space. (Current Mission)					
REQUIREMENT: This facility will support and accommodate a support group headquarters, engineer battalion (-), and detachments from a United States Army Reserve Forces school and United States Army hospital with adequate administration space, unit and individual training areas and storage areas. Included in the project is an assembly hall, learning center, library, classrooms, instructor classrooms, arms vault with arms maintenance area, kitchen and dining facility, supply storage and parking for privately owned vehicles. The maintenance facility will support authorized Organizational Maintenance Shop (OMS) services, Direct Support-General Support (DS-GS) and Area Maintenance Support Activity (AMSA) with 13 maintenance bays, maintenance administration space, tools and parts storage, battery storage and charging, flammable material storage, overhead lifting capabilities and an expanded Military Equipment Park (MEP).					
CURRENT SITUATION: The existing facilities are overcrowded and inadequate for the authorized troop population. The existing training facility is situated in the vicinity of an environmentally impacted site which does not allow for expansion or alteration. Deficiencies include lack of provisions for the handicapped, insufficient unit and individual storage space when considering arctic conditions and insufficient administration					

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center Fort Richardson, AK			
4. PROJECT TITLE Add/Alt/USARC/OMS/DS-GS/AMSA/ Storage		5. PROJECT NUMBER CAR 94-01494	
<p>space. Storage space currently provided by the support installation is scheduled for demolition FY 92. The inadequacies in training and administration space, insufficient vehicle and maintenance facilities and inadequate supply and storage space adversely impact upon unit mission and training. The existing maintenance facility limits training and the units' ability to perform required maintenance services during periods of inclement weather. Adequate heating and ventilation do not support full utilization of the existing maintenance facility by unit personnel. Building number 45590, Ft Richardson, AK, 9,675 square feet, constructed in 1943, to be demolished in conjunction with this project. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.</p> <p>IMPACT IF NOT PROVIDED: Units will not be able to secure, store or maintain unit and individual equipment or conduct training to meet readiness and mobilization objectives. Without adequate maintenance facilities, equipment and vehicles will not be maintained properly.</p>			
12. SUPPLEMENTAL DATA:			
a. Estimated Design data:			
(1) Status:			
(a) Date Design Started.....01/88			
(b) Percent Complete as of Jan 93.....65			
(c) Date Design 35% Complete.....06/92			
(d) Date Design Complete.....07/93			
(2) Basis:			
(a) Standard or Definitive Design - No			
(b) Where Design was Mostly Recently Used - N/A			
(3) Total (c) = (a) + (b) or (d) + (e) : (\$000)			
(a) Production of Plans and Specifications (0)			
(b) All Other Design Costs.....(0)			
(c) Total.....(865)			
(d) Contract.....(150)			
(e) In-house.....(715)			
(4) Construction start.....03/94			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Furniture	OMAR	1995	254
Kitchen Equipment	OMAR	1994	86
Wire Partitions	OMAR	1994	178
Dehumidifier	OMAR	1994	5
Shelving	OMAR	1994	99
Total			622

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL				4. AREA CONSTR COST INDEX 1.01	
5. FREQUENCY AND TYPE UTILIZATION Reservists - 3 weekends/month; 5 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS AFRC, Joliet, IL - 13 miles ARNG, Joliet, IL - 14 miles USAR, Joliet, IL - 12 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
171-40	USARC/OMS	84,376 SF	10,381	09/91	06/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>16 Sep 92</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED None				0 <i>(Number of Acres)</i>	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL		
11. PERSONNEL STRENGTH AS OF Oct 92		
	PERMANENT	GUARD/RESERVE
	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	<u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZE	<u>68</u> <u>17</u> <u>20</u> <u>31</u>	<u>526</u> <u>117</u> <u>409</u>
ACTUAL	<u>67</u> <u>17</u> <u>19</u> <u>31</u>	<u>520</u> <u>106</u> <u>414</u>
12. RESERVE UNIT DATA		
ASGD/AUTH 99%		STRENGTH
UNIT DESIGNATION	AUTHORIZED	ACTUAL
HHC 416 ENCOM	253	250
416TH TDA (AUG) FAC ENGR	49	50
HSC 863 EN BN	<u>224</u>	<u>220</u>
Totals	526	520
13. MAJOR EQUIPMENT AND AIRCRAFT		
TYPE	AUTHORIZED	ACTUAL
Wheeled Vehicles	127	127
Trailers	50	50
Tracked Vehicles	<u>6</u>	<u>6</u>
Totals	183	183
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
Air Pollution	0	
Water Pollution	0	
Safety and Occupational Health	0	

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93			
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL				4. PROJECT TITLE USARC/OHS				
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-00082		8. PROJECT COST (\$000) 10,381			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u>								7829
Training Building					SF	70296	93.43	(6568)
Maintenance Building					SF	14080	89.58	(1261)
<u>SUPPORTING FACILITIES:</u>								1498
Site Improvement					LS			(957)
Telecommunications					LS			(100)
Paving					SY	7175	27.35	(196)
Lighting					LS			(52)
Military Equipment Park					SY	7050	27.35	(193)
TOTAL CONSTRUCTION COST								9327
Contingencies (5.0%)								466
Supervision and Administration (6.0%)								588
TOTAL PROJECT COST								10381
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
Construct a 600-member USAR center with Organizational and Direct Support Maintenance Shop. The project will construct a two-story, split faced masonry structure with a reinforced concrete slab and a one story masonry structure on a reinforced concrete slab for the Organizational Maintenance Shop. Air Conditioning: 80 Tons								
11. REQUIREMENT: 84,376 SF Adequate: 0 SF Substandard: 0 SF								
PROJECT: Construct a 600-member USAR center and Organizational Maintenance Shop. (Current Mission)								
REQUIREMENT: This project is required to provide adequate training facilities for HHC, 416th ENCOM, 416th TDA (AUG) and HSC, 863d EN BN. The new facility will satisfy the administrative, storage, classroom, training, assembly hall and kitchen requirements normally associated with reserve units. In addition, this facility will satisfy the special mission requirements of the 416th ENCOM for a drafting room, photo lab, map storage room, soils lab and classified work area. Special laboratory training space will be provided for the facilities for the performance of routine maintenance required at the unit level and the DS shop will support the Logistics Mission Performance Training Program of HSC, 863d EN BN.								
CURRENT SITUATION: Current facilities in use are four overcrowded USAR centers with the HHC, 416th ENCOM and 416th FE TDA (AUG) located in a grossly inadequate facility. This facility provides approximately 50% of their authorized total space requirements and is critically short of administrative, storage, classroom and special training areas. The assembly hall is utilized for common administrative and classroom functions in addition to its normal uses. The classrooms, rifle range,								

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL		
4. PROJECT TITLE USARC/OHS	5. PROJECT NUMBER CAR 94-00082	
<p>locker room and supply rooms have been converted to administrative space. There is no space available to conduct the special training functions of soils testing, drafting and photo laboratory operations. The Organizational Maintenance Shop has been converted to unit storage and military vans and land/sea containers are also utilized for unit storage. Privately Owned Vehicle parking is grossly inadequate, forcing unit members to park in the street, in adjacent lots or wherever space is available. The parking area for military vehicles is also severely limited. The MSC, 863d EN BN is housed in facilities that are grossly inadequate for the training mission of a combat engineer unit and the (DS) mission. Execution of this project not only provides improved facilities for the 3 units included, but also for another 19 units which will remain or backfill existing facilities. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.</p> <p>IMPACT IF NOT PROVIDED: With the continued use of substandard facilities, the units will not be able to properly conduct training exercises and be prepared to meet their readiness and mobilization objectives. The lack of special training areas required by the units will continue to adversely impact on the skill qualifications of the soldiers.</p>		
12. SUPPLEMENTAL DATA:		
a. Estimated Design data:		
(1) Status:		
(a) Date Design Started..... <u>09/91</u>		
(b) Percent Complete as of Jan 93..... <u>65</u>		
(c) Date Design 35% Complete..... <u>09/92</u>		
(d) Date Design Complete..... <u>06/93</u>		
(2) Basis:		
(a) Standard or Definitive Design - No		
(b) Where Design Was Most Recently used <u>N/A</u>		
(3) Total cost (c) = (a) + (b) or (d) + (e): <u>(\$000)</u>		
(a) Production of Plans and Specifications.....(<u>10</u>)		
(b) All Other Design Costs.....(<u>491</u>)		
(c) Total.....(<u>501</u>)		
(d) Contract.....(<u>0</u>)		
(e) In-house.....(<u>0</u>)		
(4) Construction start..... <u>04/94</u>		
b. Equipment associated with this project which will be provided from other appropriations:		

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL			
4. PROJECT TITLE USARC/OMS			5. PROJECT NUMBER CAR 94-00082
Equipment <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Furniture	OMAR	1995	400
Kitchen Equipment	OMAR	1994	100
Wire Partitions	OMAR	1994	45
Metal Lockers	OMAR	1994	15
Dehumidifier	OMAR	1994	3
Shelving	OMAR	1994	5
Total			568

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE APR 93	
3. INSTALLATION AND LOCATION New Orleans, LA			4. AREA CONSTR COST INDEX 0.89		
5. FREQUENCY AND TYPE UTILIZATION Reservists - 3 weekends/month; 2 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS Diamond USARC, New Orleans - 2 miles Fleming USARC, New Orleans - 3 miles US Navy Spt Act, New Orleans - 10 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>(\$000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u>	
1911	Land Acquisition	9.4 AC	645	N/A	N/A
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					
Facilities identified in Item 6 have been examined by the Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction				01 Dec 92 (Date)	
9. LAND ACQUISITION REQUIRED					
Fee				9.40 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93		
3. INSTALLATION AND LOCATION New Orleans, LA				4. PROJECT TITLE Land Acquisition			
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 1911	7. PROJECT NUMBER CAR 94-01534		8. PROJECT COST (\$000) 645		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Land Acquisition				AC	9.4		645 (645)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Land will provide 9.4 acres for a new USARC to house three units now in a leased facility and one unit now located in an overcrowded government owned facility. An Organizational Maintenance Shop (OMS) and an Area Maintenance Support Activity (AMSA) will be constructed.							
11. REQUIREMENT: 9.4 AC Adequate: 0 AC Substandard: 0 AC							
PROJECT: Acquire 9.4 acres of land in FY 94 to support construction of a new USARC/OMS/AMSA in FY 99. (New mission)							
REQUIREMENT: An MCR project is programmed for construction of a new 400-member USARC/OMS/AMSA in FY 99.							
CURRENT SITUATION: The existing Fleming USARC houses eight units. Relocating the 630th QM to the proposed new USARC will alleviate overcrowded conditions at Fleming USARC. The 410th Per Svc Co., 348th P & A and 4152nd USARF School are in a leased facility with 34,000 square feet costing \$221,500 per year. No drill halls, kitchens, arms vaults, Military Equipment Parking or OMS are available. Physical security of weapons and vehicles continues to be a major problem at the leased facility.							
IMPACT IF NOT PROVIDED: Not funding the land acquisition could result in the loss of the proposed site, delay construction and extend the lease.							

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC			4. AREA CONSTR COST INDEX 0.83		
5. FREQUENCY AND TYPE UTILIZATION Reservists - 1 weekend/month; 2 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS NCNG Armory, Morehead City, NC - 4 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS</u>	
171-40	Add/Alt USARC/OMS AMSA (Marine)	39,007 SF	9,335	03/86	08/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED Fee title				09 Dec 92 (Date) 0.66 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93		
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC							
11. PERSONNEL STRENGTH AS OF Oct 92							
	TOTAL	PERMANENT		CIVILIAN	TOTAL	GUARD/RESERVE	
		OFFICER	ENLISTED			OFFICER	ENLISTED
AUTHORIZE	<u>21</u>	<u>1</u>	<u>4</u>	<u>16</u>	<u>157</u>	<u>25</u>	<u>132</u>
ACTUAL	<u>19</u>	<u>1</u>	<u>3</u>	<u>15</u>	<u>139</u>	<u>24</u>	<u>115</u>
12. RESERVE UNIT DATA							
ASGD/AUTH 894				STRENGTH			
UNIT DESIGNATION					AUTHORIZED	ACTUAL	
824 TRANS CO (HVV BOAT)					157	139	
AMSA 128 (M) (MARINE)					<u>0</u> *	<u>0</u>	
Totals					157	139	
* AMSA 128 (M) has a table of Distribution and Allowances (TDA) authorization of fourteen full time civilian positions and provides maintenance support for the 824 TRANS CO boats.							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
Wheeled Vehicles					6	6	
Trailers					<u>6</u>	<u>6</u>	
Total					12	12	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
Air Pollution					0		
Water Pollution					0		
Safety and Occupational Health					0		

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93			
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC				4. PROJECT TITLE Add/Alt USARC/OMS/AMSA (Marine)				
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-00478		8. PROJECT COST (\$000) 9,335			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES:								6507
Training Building					SF	16128	93.01	(1500)
Training Building Alteration					SF	9679	46.03	(446)
Maintenance Building					SF	13200	89.87	(1186)
Piers, Berths And Bulkheads					LS			(3375)
SUPPORTING FACILITIES:								1881
Site Improvement					LS			(76)
Telecommunications					LS			(34)
Paving					LS			(105)
Dredging					CY	166500	4.56	(759)
Demolition					LS			(304)
Site Preparation					LS			(32)
Environmental Mitigation					LS			(76)
Utilities					LS			(312)
Temporary Lease For Construction					LS			(183)
TOTAL CONSTRUCTION COST								8388
Contingencies (5.0%)								419
Supervision and Administration (6.0%)								<u>528</u>
TOTAL PROJECT COST								9335
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
Add a two-story training building and a one-story vehicle maintenance shop to the existing U.S. Army Reserve Center. The buildings are permanent construction with reinforced concrete foundations, concrete floor slabs, load-bearing masonry exterior walls, single-ply EPDM membrane over insulated steel deck on steel joists, mechanical systems, and electrical systems. Alter the existing training building for storage by changing interior partitions, erecting storage cages, and providing new mechanical systems. Demolish existing unit maintenance, Area Maintenance Support Activity, and storage buildings. Construct new piers, bulkheads, and boat berths. Demolish an existing pier and bulkhead. Air Conditioning: 38 Tons								
11. REQUIREMENT: 39,007 SF Adequate: 0 SF Substandard: 11,453 SF								
PROJECT: Add to and alter the existing U.S. Army Reserve Center (USARC) with Organizational Maintenance Shop (OMS) and Area Maintenance Support Activity (AMSA). (New Mission)								
REQUIREMENT: This project will provide a 150-member training facility with administrative areas, classroom, library, learning center, assembly hall, arms vault, kitchen, and unit storage for one U.S. Army Reserve unit. The maintenance shop will provide space for training to accomplish organizational maintenance and for daily boat maintenance by the AMSA. The training building first floor and the maintenance building offices will be above the 100 year flood level. The berths will provide mooring space for boats operated by the unit. The project will also provide parking space for military and privately owned vehicles.								
CURRENT SITUATION: The site and buildings are a former commercial boat yard purchased in 1972. Existing facilities include a training building,								

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC		
4. PROJECT TITLE Add/Alt USARC/OHS/AMSA (Marine)	5. PROJECT NUMBER CAR 94-00478	
<p>a storage building, a small house, and four small buildings used for unit maintenance and the AMSA. The center is deficient in administrative, educational, assembly, maintenance, and parking space. Unit members must park privately owned vehicles on narrow city streets because parking area is severely limited at the center. There is insufficient berthing space for the five new Landing Craft, Utility (LCU) 2000 series boats the unit is receiving for force modernization. The LCU 2000 boats are 29% longer and 45% wider than the LCU 1600 series boats previously fielded to the unit. Excavation of new berthing space and construction of new piers (650 LF) and bulkheads (1160 LF) are needed to comply with North Carolina guidelines on pier encroachment in navigable waters and to upgrade anchorage for the larger boats (174 FT long by 42 FT wide). Upgraded anchorage will enable boats to remain moored during a hurricane. This requires demolition of an existing bulkhead (460 LF) and pier (180 LF). The existing training building will be altered for unit and AMSA storage. The existing house, storage building, AMSA, and unit maintenance buildings will be demolished (10,740 SF). Acquisition of an additional 0.66 acres of adjacent land for this project is ongoing to comply with restrictions by the state on the filling of public waters and wetlands. The state will also require environmental mitigation of approximately 6 acres for loss or conversion of estuarine bottoms and for loss of wetlands. The boats and AMSA must relocate off site to a temporary leased facility during construction. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project. IMPACT IF NOT PROVIDED: The site cannot support the five new boats being fielded to the unit without this project. Other commercial waterfront property is not readily available for acquisition by the USAR. Second U.S. Army examined alternate government-owned sites within North Carolina but found them to be unacceptable due to excessive development and dredging costs. The unit may have to relocate outside of the Second U.S. Army area (southeast United States). Relocation of the unit would disrupt mission capability of the unit for an extended period of time through the loss of personnel. Key personnel require years of experience to qualify to operate these boats.</p>		
12. SUPPLEMENTAL DATA:		
<p>a. Estimated Design data:</p> <p>(1) Status:</p> <p>(a) Date Design Started.....03/86</p> <p>(b) Percent Complete as of Jan 93..... 65</p> <p>(c) Date Design 35% Complete.....05/92</p> <p>(d) Date Design Complete.....08/93</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design- No</p> <p>(b) Where Design Was Most Recently Used N/A</p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e) : (\$000)</p> <p>(a) Production of Plans and Specifications....(0)</p> <p>(b) All Other Design Costs.....(0)</p> <p>(c) Total.....(803)</p> <p>(d) Contract.....(132)</p>		

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC			
4. PROJECT TITLE Add/Alt USARC/OMS/AMSA (Marine)	5. PROJECT NUMBER CAR 94-00478		
(e) In-house.....(671) (4) Construction start.....01/94			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furniture	OMAR	1995	111
Kitchen Equipment	OMAR	1994	100
Wire Partitions	OMAR	1994	87
Metal Lockers	OMAR	1994	2
Dehumidifier	OMAR	1994	1
Shelving	OMAR	1994	30
Totals			331

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Columbus, OH				4. AREA CONSTR COST INDEX 0.97	
5. FREQUENCY AND TYPE UTILIZATION Reservists - 3 weekends/month; 4 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USNR, Columbus, OH - 9 miles USARC, Columbus, OH - 4 miles USARC, Columbus, OH - 6 miles ARNG Armory, Columbus, OH - 10 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
171-40	USARC/OHS/AMSA DS-GS	155,542 SF	14,701	12/87	10/91
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED None				10 Jun 92 (Date) 0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT USAR		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Columbus, OH							
11. PERSONNEL STRENGTH AS OF Oct 92							
		PERMANENT				GUARD/RESERVE	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	<u>110</u>	<u>20</u>	<u>40</u>	<u>50</u>	<u>1144</u>	<u>201</u>	<u>943</u>
ACTUAL	<u>113</u>	<u>20</u>	<u>39</u>	<u>54</u>	<u>1019</u>	<u>191</u>	<u>828</u>
12. RESERVE UNIT DATA							
ASGD/AUTH 89%				STRENGTH			
UNIT DESIGNATION					AUTHORIZED	ACTUAL	
83RD ARCOM					254	241	
9TH JAG DET (MLA) M					26	27	
368TH PA DET					5	6	
367TH PA DET					13	13	
326TH MH DET					3	2	
2078TH USARF SCHOOL					134	81	
307TH MED GP					52	123	
758TH MAINT CO					275	179	
828TH MAINT DET					7	4	
837TH MAINT DET					16	11	
870TH MAINT DET					18	11	
347TH PERS SVC CTR					176	161	
325TH FIN CTR					93	90	
338TH BAND					45	43	
375TH HP CO					<u>27</u>	<u>27</u>	
Totals					1144	1019	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
Wheeled Vehicles					145	145	
Trailers					61	61	
Tracked Vehicles					<u>207</u>	<u>207</u>	
Totals					413	413	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
Air Pollution					0		
Water Pollution					0		
Safety and Occupational Health					0		

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93			
3. INSTALLATION AND LOCATION USAR Center Columbus, OH			4. PROJECT TITLE USARC/OHS/AMSA/DS-GS					
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-00245		8. PROJECT COST (\$000) 14,701			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u>								<u>10842</u>
Training Building					SF	101712	73.05	(7430)
Maintenance Building					SF	27242	79.29	(2160)
Warehouse					SF	26588	47.09	(1252)
<u>SUPPORTING FACILITIES:</u>								<u>2367</u>
Site Improvement					LS			(439)
Telecommunications					LS			(139)
Paving					SY	18860	27.35	(516)
Lighting					LS			(272)
Loading Dock					LS			(47)
Military Equipment Park					SY	24966	27.35	(683)
Utilities					LS			(271)
TOTAL CONSTRUCTION COST								13209
Contingencies (5.0%)								660
Supervision and Administration (6.0%)								<u>832</u>
TOTAL PROJECT COST								14701
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
<p>This project will provide construction of a new two-story, splitfaced ribbed block masonry training building, a one story maintenance shop and one story metal siding storage facility. The project will include site development, private auto and military equipment parking and all utilities required to support the facilities. Air Conditioning: 119 Tons</p>								
11. REQUIREMENT: 155,542 SF Adequate: 0 SF Substandard: 0 SF								
<p>PROJECT: Construct an 800-member U.S. Army Reserve center, Organizational Maintenance Shop, Army Maintenance Support Activity (AMSA) and Direct Support/General Support (DS-GS) shop with privately owned vehicles (POV) and military equipment parking. (Current Mission)</p> <p>REQUIREMENT: This facility will provide facilities support for six units consisting of a U.S. Army Reserve Command headquarters, four maintenance units, a military police company and a medical group headquarters. The training facility will provide the required administrative space, small library, learning centers, arms vault, arms maintenance area, dining facilities, storage areas and assembly hall. The maintenance shop will provide equipment work bays, a supervisory office space, administrative area, tool and parts room, a battery storage and charging room and flammable storage area. Military equipment and POV parking will be provided.</p> <p>CURRENT SITUATION: Units currently occupy two government owned USAR centers, two existing buildings at Fort Hayes and four leased facilities. These facilities are grossly overcrowded and do not provide sufficient administrative area, training space and equipment storage space for unit and individual equipment. The buildings are poorly insulated with outdated, inefficient heating plants which are expensive to operate. The</p>								

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center Columbus, OH			
4. PROJECT TITLE USARC/OHS/AMSA/DS-GS	5. PROJECT NUMBER CAR 94-00245		
<p>facilities provide minimal space for classrooms, storage of training manuals and other learning materials. Areas to conduct individual skill training are limited. Insufficient space has required the Army to lease off-site facilities to satisfy unit equipment and storage. A leased facility that provides 80,431 square feet will be eliminated upon completion of this project. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.</p> <p>IMPACT IF NOT PROVIDED: The assigned units will continue to suffer from poor administrative support affecting the retention and recruiting of unit members. Insufficient classrooms and training facilities will severely impact on the individual skill qualifications of the individual soldier and the abilities of the units to train for wartime missions. Shortages of storage, maintenance and military equipment parking areas will continue to waste valuable training time traveling between the various locations off-site.</p>			
12. SUPPLEMENTAL DATA:			
a. Estimated Design data:			
(1) Status:			
(a) Date Design Started..... <u>12/87</u>			
(b) Percent Complete as of Jan 93..... <u>100</u>			
(c) Date Design 35% Complete..... <u>07/89</u>			
(d) Date Design Complete..... <u>10/91</u>			
(2) Basis:			
(a) Standard or Definitive Design - No			
(b) Where Design Was Most Recently Used <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e) : (\$000)			
(a) Production of Plans and Specifications.... (<u>725</u>)			
(b) All Other Design Costs..... (<u>130</u>)			
(c) Total..... (<u>855</u>)			
(d) Contract..... (<u>5</u>)			
(e) In-house..... (<u>850</u>)			
(4) Construction start..... <u>04/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated Or Requested</u>	Cost <u>(\$000)</u>
Furniture	OMAR	1995	778
Kitchen Equipment	OMAR	1994	52
Wire Partitions	OMAR	1994	299
Metal Lockers	OMAR	1994	4
Dehumidifier	OMAR	1994	2
Shelving	OMAR	1994	65
Totals			1200

1. COMPONENT USAR		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE APR 93		
3. INSTALLATION AND LOCATION USARC (Jackson Blvd), Ft Jackson, SC				4. AREA CONSTR COST INDEX 0.82		
5. FREQUENCY AND TYPE UTILIZATION Reservists - 3 weekends/month; 5 nights/week Full-Time Personnel - 5 days/week						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG Armory, Columbia, SC - 10 miles USAR Center, Ft. Jackson (Boyden Arbor) - 2 miles USAR Center, Ft. Jackson (Lee Road) - 4 miles USAR Center, Columbia, SC - 10 miles						
7. PROJECTS REQUESTED IN THIS PROGRAM						
CATEGORY CODE		PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE	
171-40		USARC/OMS/DS	101,856	10,428	06/86	06/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>15 Oct 92</u> Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction. (Date)						
9. LAND ACQUISITION REQUIRED None				0 (Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS None						

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE APR 93					
3. INSTALLATION AND LOCATION USARC (Jackson Blvd), Ft Jackson, SC							
11. PERSONNEL STRENGTH AS OF Oct 92							
	PERMANENT		GUARD/RESERVE				
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZE	<u>36</u>	<u>4</u>	<u>22</u>	<u>10</u>	<u>800</u>	<u>223</u>	<u>577</u>
ACTUAL	<u>36</u>	<u>4</u>	<u>22</u>	<u>10</u>	<u>715</u>	<u>184</u>	<u>531</u>
12. RESERVE UNIT DATA							
ASGD/AUTH 89%		STRENGTH					
UNIT DESIGNATION				AUTHORIZED	ACTUAL		
HHC, 360th CA BDE				132	124		
175th MAINT CO				276	221		
12th JA DET				87	55		
3270th USA HOSP (750 BED)				178	200		
3287th USARF SCHOOL				<u>127</u>	<u>115</u>		
Totals				800	715		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ACTUAL		
Wheeled Vehicles				76	76		
Trailers				62	62		
Tracked Vehicles				<u>1</u>	<u>1</u>		
Totals				139	139		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
				(\$000)			
Air Pollution				0			
Water Pollution				0			
Safety and Occupational Health				0			

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center (Jackson. Blvd) Ft. Jackson SC			4. PROJECT TITLE USARC/OMS/DS		
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-01376		8. PROJECT COST (\$000) .10,428
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES:					7705
Training Building		SF	68489	71.52	(4898)
Maintenance Building		SF	25565	91.25	(2333)
Warehouse		SF	7802	60.80	(474)
SUPPORTING FACILITIES:					1665
Site Improvement		LS			(153)
Telecommunications		LS			(90)
Paving		SY	45511	12.75	(580)
Site Preparation		LS			(53)
Utilities		LS			(474)
Fencing		LF	2500	17.89	(45)
Storm Drainage		LF	4355	54.65	(238)
Demolition		LS			(32)
TOTAL CONSTRUCTION COST					9370
Contingencies (5.0%)					468
Supervision and Administrative (6.0%)					590
TOTAL PROJECT COST					10428
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct a new two-story training building, a new one-story vehicle maintenance shop, and a new one-story warehouse. The buildings will be permanent construction with reinforced concrete foundations, concrete floor slabs, structural steel frames, masonry veneer exterior walls, standing seam metal roof with cementitious insulating deck, mechanical systems, and electrical systems. Supporting facilities will include demolition of existing structures, paving, fencing, wash rack with oil/water separator, site improvements, and extension of utilities to serve the project. <u>Air Conditioning: 120 Tons.</u>					
11. REQUIREMENT: 101,856 SF Adequate: 0 SF Substandard: 44,796 SF					
PROJECT: Construct a new U.S. Army Reserve Center (USARC) with Organizational and Direct Support Maintenance Shops, and a warehouse. (New Mission)					
REQUIREMENT: This project will provide an 800-member training facility with administrative areas, classroom, library, learning center, assembly hall, arms vault, kitchen, and unit storage functions for five U.S. Army Reserve units. The maintenance shop will provide space to train maintenance personnel to accomplish organizational and direct support vehicle maintenance. The warehouse will provide space to receive, inventory, recover and store direct support repair parts. Additionally, there will be adequate parking for all military and privately owned vehicles.					
CURRENT SITUATION: There are three U.S. Army Reserve centers on Fort Jackson, SC and a leased facility in Columbia, SC. The USAR Center at Forest Drive must be vacated because the property has been declared excess, and Fort Jackson is selling the property to private developers.					

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93																						
3. INSTALLATION AND LOCATION USAR Center (Jackson. Blvd) Ft. Jackson SC																								
4. PROJECT TITLE USARC/OMS/DS	5. PROJECT NUMBER CAR 94-01376																							
<p>The USAR Center at Boyden Arbor Road is expanding in FY 1992 to accommodate eleven units, including six units displaced from the Forest Drive Center. A new USAR Center will be constructed on a 28.8 acre site at Fort Jackson (Jackson Boulevard) to accommodate three units displaced from the Forest Drive Center, one unit located in the overcrowded Lee Road Center, and one unit located in the substandard leased facility. The leased facility is an old truck terminal located ten miles from Fort Jackson. It is deficient in administrative, classroom, secure storage, and latrine space. There is no library or learning center to support training. There is no kitchen for food service personnel. The maintenance area is deficient in administrative, parts/tools storage, battery/flammable storage, and latrine space. A crane is not available in the building to lift heavy components. Equipment must be sent to the support installation for repair, although unit personnel could do it, if adequate facilities were available. Facility offsets are the Forest Drive center with OMS (19,607 SF) being disposed of as excess, and termination of the lease (25,162 SF). The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.</p> <p>IMPACT IF NOT PROVIDED: Severe overcrowding will continue in facilities at the Lee Road Center (Fort Jackson) and the leased facility in Columbia. Acquisition of temporary World War II buildings on Fort Jackson, or additional leased facilities, will be necessary to relocate 120th ARCOM units from the Forest Drive Center. The lack of adequate maintenance facilities will continue to delay repair of unit equipment.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design data:</p> <p>(1) Status:</p> <table border="0"> <tr><td>(a) Date Design Started.....</td><td><u>06/86</u></td></tr> <tr><td>(b) Percent Complete as of Jan 93.....</td><td><u>100</u></td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td><u>10/87</u></td></tr> <tr><td>(d) Date Design Complete.....</td><td><u>06/92</u></td></tr> </table> <p>(2) Basis:</p> <table border="0"> <tr><td>(a) Standard or Definitive Design - No</td><td></td></tr> <tr><td>(b) Where Design Was Most Recently Used</td><td><u>N/A</u></td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e) : (\$000)</p> <table border="0"> <tr><td>(a) Production of Plans and Specifications...</td><td><u>(620)</u></td></tr> <tr><td>(b) All Other Design Costs.....</td><td><u>(546)</u></td></tr> <tr><td>(c) Total.....</td><td><u>(1166)</u></td></tr> <tr><td>(d) Contract.....</td><td><u>(48)</u></td></tr> <tr><td>(e) In-house.....</td><td><u>(1118)</u></td></tr> </table> <p>(4) Construction start.....<u>01/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p>			(a) Date Design Started.....	<u>06/86</u>	(b) Percent Complete as of Jan 93.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>10/87</u>	(d) Date Design Complete.....	<u>06/92</u>	(a) Standard or Definitive Design - No		(b) Where Design Was Most Recently Used	<u>N/A</u>	(a) Production of Plans and Specifications...	<u>(620)</u>	(b) All Other Design Costs.....	<u>(546)</u>	(c) Total.....	<u>(1166)</u>	(d) Contract.....	<u>(48)</u>	(e) In-house.....	<u>(1118)</u>
(a) Date Design Started.....	<u>06/86</u>																							
(b) Percent Complete as of Jan 93.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>10/87</u>																							
(d) Date Design Complete.....	<u>06/92</u>																							
(a) Standard or Definitive Design - No																								
(b) Where Design Was Most Recently Used	<u>N/A</u>																							
(a) Production of Plans and Specifications...	<u>(620)</u>																							
(b) All Other Design Costs.....	<u>(546)</u>																							
(c) Total.....	<u>(1166)</u>																							
(d) Contract.....	<u>(48)</u>																							
(e) In-house.....	<u>(1118)</u>																							

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93
2. INSTALLATION AND LOCATION USAR Center (Jackson. Blvd) Ft. Jackson SC			
4. PROJECT TITLE USARC/OMS/DS			5. PROJECT NUMBER CAR 94-01376
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Furniture	OMAR	1995	533
Kitchen Equipment	OMAR	1994	49
Wire Partitions	OMAR	1994	286
Dehumidifier	OMAR	1994	1
Shelving	OMAR	1994	60
Total			929

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Ft. Lewis, WA				4. AREA CONSTR COST INDEX 1.10		
5. FREQUENCY AND TYPE UTILIZATION Reservists - 3 weekends/month; 3 nights/week Full-Time Personnel - 5 days/week						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS US Army, Ft. Lewis, WA - 0 miles WAARNG, Tacoma, WA - 15 miles USAR Center, Tacoma, WA - 20 miles USNR Center, Tacoma, WA - 20 miles						
7. PROJECTS REQUESTED IN THIS PROGRAM						
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE		
171-40	USARC/AMSA/OMS/ECS/Whse	106,582 SF	14,703	01/86	02/93	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>16 Apr 92</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.						
9. LAND ACQUISITION REQUIRED None				<u>0</u> (Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS None						

1. COMPONENT USAR		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Ft. Lewis, WA							
11. PERSONNEL STRENGTH AS OF Oct 92							
	<u>TOTAL</u>	<u>OFFICER</u>	<u>PERMANENT ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	30	2	15	13	920	189	731
ACTUAL	18	2	7	9	997	184	813
12. RESERVE UNIT DATA							
ASGD/AUTH 108%				STRENGTH			
UNIT DESIGNATION				AUTHORIZED	ACTUAL		
3 BN, 104 TSB, 104 DIV				179	164		
4 BN, 104 TSB, 104 DIV				134	126		
4 IN BDE, 104 DIV				50	37		
413 IN REGT, 2 BN, CO B				22	31		
413 IN REGT, 2 BN, CO D				22	31		
415 IN REGT, 2 BN, CO A				22	17		
415 IN REGT, 2 BN, CO B				22	23		
415 IN REGT, 2 BN, CO C				22	31		
415 IN REGT, 2 BN, CO D				22	31		
415 IN REGT, 2 BN, CO E				22	22		
415 IN REGT, 2 BN, HQ				14	23		
CO A, 50 GEN HOSP				125	171		
300 TC DET MOVE CONT				48	51		
307 MI CO CI INTER				91	94		
448 CA CO				<u>125</u>	<u>145</u>		
Totals				920	997		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ACTUAL		
Wheeled Vehicles				67	20		
Trailers				28	0		
Tracked Vehicles				<u>12</u>	<u>12</u>		
Totals				107	32		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
				(\$000)			
Air Pollution				0			
Water Pollution				0			
Safety and Occupational Health				0			

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93			
3. INSTALLATION AND LOCATION USAR Center, Ft Lewis, WA				4. PROJECT TITLE USARC/AMSA/OMS/ECS/Whse				
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-00787		8. PROJECT COST (\$000) 14,703			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u>								<u>9536</u>
Training Building					SF	57450	93.80	(5389)
Maintenance Building					SF	11132	146.00	(1625)
Warehouse					SF	38000	66.38	(2522)
<u>SUPPORTING FACILITIES:</u>								<u>3674</u>
Site Improvement					LS			(457)
Telecommunications					LS			(101)
Paving					SY	44000	31.84	(1400)
Lighting					LS			(90)
Wash Racks					LS			(23)
Utilities/Loading Ramp/Hardstand					LS			(707)
Site Preparation & Fencing					LS			(596)
Information Systems (Fiber Optic)					LS			(300)
TOTAL CONSTRUCTION COST								13210
Contingencies (5.0%)								661
Supervision and Administration (6.0%)								<u>832</u>
TOTAL PROJECT COST								14703
10. DESCRIPTION OF PROPOSED CONSTRUCTION								
This project will provide a new training center, maintenance shop and warehouse complete with an integrated site development. Construction will be a masonry and steel frame structure with a built-up roofing system. <u>Air Conditioning: 95 Tons</u>								
11. REQUIREMENT: 106,582 SF Adequate: 0 SF Substandard: 0 SF								
PROJECT: Construct an 800-member USAR Center (USARC), Organizational Maintenance Shop (OMS), Area Maintenance Support Activity (AMSA) and Equipment Concentration Site (ECS) and warehouse. (Current Mission)								
REQUIREMENT: This facility will provide adequate training facilities for the assigned units and provide space to conduct training as an integral unit as well as the development of team work necessary for readiness. Unit personnel require functional and organizational space to conduct unit administration, training and storage of weapons, equipment and supplies. Assembly and classroom spaces are required to support the training missions of the various units. The standard design kitchen will provide hot meals to the soldiers during drill weekends as well as augment the training of the units cooks. Maintenance and hands-on type maintenance training will be conducted in the six-bay OMS and AMSA facility. Project provides sufficient parking areas for a military equipment park (MEP) and privately owned vehicles (POV).								
CURRENT SITUATION: Current facilities are World War II barracks type buildings scheduled for demolition. The existing facilities do not meet minimum standards and requirements for a USAR Center, ECS storage and lack many of the required OSHA safety standards to function as a repair and maintenance facility. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this								

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Ft Lewis, WA			
4. PROJECT TITLE USARC/AMSA/OMS/ECS/Whse	5. PROJECT NUMBER CAR 94-00787		
<p>project.</p> <p>IMPACT IF NOT PROVIDED: Without this project, the current substandard facilities will continue to impact significantly upon morale and the various units' ability to conduct effective, realistic and meaningful training to meet their readiness and mobilization missions.</p>			
12. SUPPLEMENTAL DATA:			
a. Estimated Design data:			
(1) Status:			
(a) Date Design Started.....		<u>01/86</u>	
(b) Percent Complete as of Jan 93.....		<u>95</u>	
(c) Date Design 35% Complete.....		<u>11/87</u>	
(d) Date Design Complete.....		<u>02/93</u>	
(2) Basis:			
(a) Standard or Definitive Design - No			
(b) Where Design Was Most Recently Used		<u>N/A</u>	
(3) Total cost (c) = (a) + (b) or (d) + (e) :		(\$000)	
(a) Production of Plans and Specifications.....		(<u>623</u>)	
(b) All Other Design Costs.....		(<u>436</u>)	
(c) Total.....		(<u>1059</u>)	
(d) Contract.....		(<u>0</u>)	
(e) In-house.....		(<u>1059</u>)	
(4) Construction start.....		<u>01/94</u>	
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Or Requested	Cost (\$000)
Furniture	OMAR	1995	334
Kitchen Equipment	OMAR	1994	40
Wire Partitions	OMAR	1994	76
Metal Lockers	OMAR	1994	18
Dehumidifier	OMAR	1994	3
Shelving	OMAR	1994	<u>18</u>
Total			489

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93	
3. INSTALLATION AND LOCATION Various Locations				4. PROJECT TITLE Unspecified Minor Construction		
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER N/A		8. PROJECT COST (\$000) 2,100	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
Unspecified Minor Construction				LS		2,100
10. DESCRIPTION OF PROPOSED CONSTRUCTION Provide a lump sum for unspecified minor construction projects, not otherwise authorized by law, having a funded cost not to exceed \$400,000, including construction, alterations or conversion of permanent or temporary facilities, in accordance with 10 USC 2233 and 2233a.						
11. <u>REQUIREMENT:</u> This program provides the means of accomplishing projects not exceeding \$400,000 that are not now identified, but which are anticipated to arise during FY 94 to satisfy critical, unforeseen mission requirements.						
<u>CURRENT SITUATION:</u> During FY 94, the USAR will undergo numerous conversions and restructuring. Many urgent facilities requirements not now identified may arise, required on an urgent basis to support the arrival and redistribution of equipment. Unforeseen and urgent environmental requirements to meet the state and federal laws are also typical projects that must be accomplished.						
<u>IMPACT IF NOT PROVIDED:</u> Deterioration of facilities beyond a useful life. Security problems, low retention, and lost training space are by products of poor facilities; increased utility costs and leases result. Lost flexibility to fund at this level insures greater project scope and costs later.						

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93	
3. INSTALLATION AND LOCATION Appropriate USAR Installations as Necessary			4. PROJECT TITLE Planning and a Design			
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER N/A		8. PROJECT COST (\$000) 44,897	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
Various Locations				LS		4,897
10. DESCRIPTION OF PROPOSED CONSTRUCTION Prepare engineer drawings and specifications necessary to support projects to be constructed as part of the Military Construction Army Reserve program.						
11. <u>REQUIREMENT:</u> To provide for design of necessary construction projects that support the Reserve mission.						



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